

# IMCIC / ICSIT / CICIC 2012

## CONFERENCE PROGRAM - SESSIONS SCHEDULE

**Sunday, March 25<sup>th</sup>, 2012**

9:00 AM - 12:00 PM 1:00 PM - 5:00 PM	<b>Registration</b>	Tampa Bay 1
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**Monday, March 26<sup>th</sup>, 2012**

8:00 AM - 12:00 PM 1:00 PM - 6:00 PM	<b>Registration</b>	Tampa Bay 1
7:45 AM - 10:15 AM	<p><b>General Joint Plenary Session</b> (with plated breakfast)</p> <p>8:00 AM – 8:45 AM Keynote Speaker: Professor David J. Waters <i>The Paradox of Tethering: Key to Unleashing Creative Excellence in the Research-Education Space</i></p> <p>8:45 AM – 9:30 AM Keynote Speaker: Professor John C. Ickis <i>Case Research: Synergy between Academy and Society</i></p> <p>9:30 AM – 10:15 AM Keynote Speaker: Professor Shirley Hanshaw <i>The Importance of Technical Communication in Synergistic Relationships among Academia, Business and Government</i></p>	Indian
10:20 AM - 12:20 PM	<b>Breakout Sessions</b>	(view next table for details)
1:30 PM - 3:30 PM	<p><b>Plenary Participative Workshop</b> Professor T. Grandon Gill <i>Case Studies and Methodologies and Integration of Academic Activities</i></p>	Tampa Bay 3
3:30 PM - 4:00 PM	<b>Coffee Break</b>	Tampa Bay Lobby
4:00 PM - 6:00 PM	<b>Breakout Sessions</b>	(view next table for details)
7:00 PM - 8:30 PM	<b>Welcome Reception</b>	Indian/Pacific

<b>Breakout Sessions</b>	<b>10:20 AM - 12:20 PM</b>	<b>4:00 PM - 6:00 PM</b>
<b>Pensacola Bay</b>		Aplicaciones de Informática y Cibernética en Ciencia e Ingeniería
<b>Florida Bay 1</b>	Communication and Control	Computer Science and Engineering
<b>Florida Bay 2</b>	Technological Development Strategy and Information Systems Engineering	ICTs in the Public and Private Sectors
<b>Florida Bay 3</b>	Inter-disciplinary Research, Education, and Communication I	Education and Informatics I
<b>Biscayne Bay</b>	Design and Modeling	Case Studies and Methodologies I

**Tuesday, March 27<sup>th</sup>, 2012**

8:00 AM - 12:00 PM 1:00 PM - 6:00 PM	<b>Registration</b>	Tampa Bay 1
7:45 AM - 10:15 AM	<p><b>General Joint Plenary Session</b> (with plated breakfast)</p> <p>8:00 AM – 8:45 AM Keynote Speaker: Professor Carlee Bishop <i>Experiential Learning in Applied Systems Engineering Education</i></p> <p>8:45 AM – 9:30 AM Keynote Speaker: Professor Steve Lambert <i>Integrating Industrial Experience into the Undergraduate Engineering Curriculum Using Case Studies</i></p> <p>9:30 AM – 10:15 AM Keynote Speaker: Professor Heidi M. Ravven <i>Understanding moral agency in terms of nested complex adaptive systems</i></p>	Indian
10:20 AM - 12:20 PM	<b>Breakout Sessions</b>	(view next table for details)
1:30 PM - 3:30 PM	<p><b>Plenary Conversational Panel</b> <i>on Case Studies and Methodologies</i></p> <p>1:30 PM – 2:45 PM ~ Panelist: Dr. Jill Pable <i>Economic and Cultural Trends that Support Case Study Methodology Approaches</i></p> <p>1:45 PM – 2:00 PM ~ Panelist: Dr. Suzanne Horn <i>How case study can be used in the professional development school setting?</i></p> <p>2:00 PM – 2:15 PM ~ Panelist: Professor T. Grandon Gill <i>The Case Method</i></p> <p>2:15 PM – 2:45 PM ~ Questions and Answers</p> <p>2:45 PM – 3:30 PM ~ Reflections &amp; Informal Conversation</p>	Tampa Bay 3
3:30 PM - 4:00 PM	<b>Coffee Break</b>	Tampa Bay Lobby
4:00 PM - 6:00 PM	<b>Breakout Sessions</b>	(view next table for details)

<b>Breakout Sessions</b>	<b>10:20 AM - 12:20 PM</b>	<b>4:00 PM - 6:00 PM</b>
<b>Pensacola Bay</b>	Educación y las Tecnologías de la Información	Cibernética (Comunicación y Control)
<b>Florida Bay 1</b>	ICT and Applications	Cybernetics and Complexity
<b>Florida Bay 2</b>	Inter-disciplinary Research, Education, and Communication II	Engineering Systems
<b>Florida Bay 3</b>	ICTs in Society and Education	Education and Informatics II
<b>Biscayne Bay</b>	Integrating Research, Teaching, and Practice	Case Studies and Methodologies II

**Wednesday, March 28<sup>th</sup>, 2012**

8:00 AM - 12:00 PM	<b>Registration</b>	Tampa Bay 1
7:45 AM - 10:15 AM	<p style="text-align: center;"><b>General Joint Plenary Session</b> (with plated breakfast)</p> <p style="text-align: center;">8:00 AM – 8:45 AM Keynote Speakers: Professor G. Thomas Fox <i>Addressing the unsolved through edGe-ucating, or Can IREPS sponsor democratic knowledge production?</i></p> <p style="text-align: center;">8:45 AM – 9:30 AM Keynote Speaker: Professor Thomas Hilburn <i>Problem Solving through Case Studies</i></p> <p style="text-align: center;">9:30 AM – 10:15 AM Keynote Speaker: Professor Tarek M. Hegazi <i>Attitude-Based Negotiation for Resolving Complex Disputes</i></p>	Indian
10:20 AM - 12:20 PM	<b>Breakout Sessions</b>	(view next table for details)
1:30 PM - 3:30 PM	<p style="text-align: center;"><b>Plenary Conversational Session</b> on <i>Reflecting on Inter-disciplinary Communications</i></p> <p style="text-align: center;">1:30 PM – 1:45 PM ~ Professor Andrés Tremante <i>Special case of the Simón Bolívar University (Foundation of Research and Development ) - Interdisciplinarity and the Integration of Academic Activities</i></p> <p style="text-align: center;">1:45 PM – 2:00 PM ~ Professor T. Grandon Gill <i>Case Studies and Methodologies and Integration of Academic Activities with Inter-disciplinary Communication</i></p> <p style="text-align: center;">2:00PM – 2:15 PM ~ Questions and Answers</p> <p style="text-align: center;">2:15 PM – 3:30 PM ~ Reflections &amp; Informal Conversation</p>	Tampa Bay 3
3:30 PM - 4:00 PM	<b>Coffee Break</b>	Tampa Bay Lobby
4:00 PM - 6:00 PM	<b>Breakout Sessions</b>	(view next table for details)
7:00 PM - 8:30 PM	<b>Awards Ceremony and Toast</b>	Indian

Breakout Sessions	10:20 AM - 12:20 PM	4:00 PM - 6:00 PM
<b>Pensacola Bay</b>	Informática	Aplicaciones de Informática y Cibernética en la Sociedad
<b>Florida Bay 1</b>	Education and Informatics III	Informatics
<b>Florida Bay 2</b>	Inter-disciplinary Research, Education, and Communication III	Relationships between Research and Teaching
<b>Florida Bay 3</b>	Informing and Teaching	
<b>Biscayne Bay</b>	Models and Modeling in Science and Engineering	Case Studies and Methodologies III



## **General Framework and Plenary Keynote Speakers of the Collocated Conferences**

The 3<sup>rd</sup> International Multi-Conference on Complexity, Informatics and Cybernetics: IMCIC 2012

The 3<sup>rd</sup> International Conference on Society and Information Technologies: ICSIT 2012

The 2<sup>nd</sup> Ibero-American Conference on Complexity, Informatics, and Cybernetics

*Conferencia Ibero-Americana de Complejidad, Informática y Cibernética: CICIC 2012*

**Orlando, Florida USA – March 25-28, 2012**

### **Sunday, March 25<sup>th</sup>, 2012**

9:00 AM – 12:00 and 1:00 PM – 5:00 PM      Registration

### **Monday, March 26<sup>th</sup>, 2012**

8:00 AM – 12:00 and 1:00 PM – 6:00 PM      Registration

7:45 AM – 10:15 AM      **General Joint Plenary Session** of all Collocated Events (with plated breakfast)

8:00 AM – 8:45 AM      Keynote Speaker: Professor David J. Waters (University of Purdue, USA and Gerald P. Murphy Cancer Foundation, USA), *The Paradox of Tethering: Key to Unleashing Creative Excellence in the Research-Education Space*

8:45 AM – 9:30 AM      Keynote Speaker: Professor John C. Ickis (INCAE Business School, Costa Rica), *Case Research: Synergy between Academy and Society*

9:30 AM – 10:15 AM      Keynote Speaker: Professor Shirley Hanshaw (Mississippi State University, USA), *The Importance of Technical Communication in Synergistic Relationships among Academia, Business and Government*

10:20 AM – 12:20 AM      Breakout Sessions

12:20 PM – 1:30 PM      Lunch (on your own)

1:30 PM – 3:30 PM      **Plenary Participative Workshop:** Professor T. Grandon Gill (University of South Florida, USA), *Case Studies and Methodologies and Integration of Academic Activities*

3:30 PM – 4:00 PM      Coffee Break

4:00 PM – 6:00 PM      Breakout Sessions

7:00 PM – 8:30 PM      **Welcome Reception**

**Tuesday, March 27<sup>th</sup>, 2012**

8:00 AM – 12:00 and 1:00 PM – 6:00 PM      Registration

7:45 AM – 10:15 AM      **General Joint Plenary Session** of all Collocated Events (with plated breakfast)

8:00 AM – 8:45 AM      Keynote Speaker: Professor Carlee Bishop (Georgia Institute of Technology, USA), *Experiential Learning in Applied Systems Engineering Education*

8:45 AM – 9:30 AM      Keynote Speaker: Professor Steve Lambert (University of Waterloo, Canada), *Integrating Industrial Experience into the Undergraduate Engineering Curriculum Using Case Studies*

9:30 AM – 10:15 AM      Keynote Speaker: Professor Heidi M. Ravven (Mississippi State University, USA), *Understanding moral agency in terms of nested complex adaptive systems*

10:20 AM – 12:20 AM      Breakout Sessions

12:20 PM – 1:30 PM      Lunch (on your own)

1:30 PM – 3:30 PM      **Plenary Conversational Panel** on *Case Studies and Methodologies*. The following schedule is suggested but it could change (especially the last two time slots) by the attendees participation.

1:30 PM – 1:45 PM      Panelist: Dr. Jill Pable (Florida State University, USA), *Five Research, Economic and Cultural Trends that Support Case Study Methodology Approaches*

1:45 PM – 2:00 PM      Panelist: Dr. Suzanne Horn (Queens University of Charlotte, USA), *How case study can be used in the professional development school setting?*

2:00 PM – 2:15 PM      Panelist: Professor T. Grandon Gill (University of South Florida, USA), *The Case Method*

2:15 PM – 2:45 PM      Questions and Answers

2:45 PM – 3:30 PM      Reflections and Informal Conversation regarding the importance of Case Studies and Methodologies in 1) Integral and Integrated Academic Activities, and 2) Inter-Disciplinary Research, Education, and Communication.

3:30 PM – 4:00 PM      Coffee Break

4:00 PM – 6:00 PM Breakout Sessions

**Wednesday, March 28<sup>th</sup>, 2012**

8:00 AM – 12:00 AM Registration

7:45 AM – 10:15 AM **General Joint Plenary Session** of all Collocated Events (with plated breakfast)

8:00 AM – 8:45 AM Keynote Speaker: Professor G. Thomas Fox (National Louis University, USA), *Addressing the unsolved through edGe-ucating, or Can IREPS sponsor democratic knowledge production?*

8:45 AM – 9:30 AM Keynote Speaker: Professor Thomas Hilburn (Embry-Riddle Aeronautical University, USA) *Problem Solving through Case Studies*

9:30 AM – 10:15 AM Keynote Speaker: Professor Tarek M. Hegazi (University of Waterloo, Canada) *Attitude-Based Negotiation for Resolving Complex Disputes*

10:20 AM – 12:20 AM Breakout Sessions

12:20 PM – 1:30 PM Lunch (on your own)

1:30 PM – 3:30 PM **Plenary Conversational Session** on “*Reflecting on Inter-disciplinary Communications.*”

1:30 PM – 1:45 PM Professor Andrés Tremante (Florida International University, USA; and former President of FUNINDES, *Fundación de Investigación y Desarrollo*, Venezuela) will make a short presentation of the Special Case of the Foundation of Research and Development of the Simón Bolívar University (FUNINDES, Venezuela) which was created to integrate academic activities for solving real life problems; which often required Inter-disciplinary Research and Development.

1:45 PM – 2:00 PM Professor T. Grandon Gill (University of South Florida, USA), will make an introductory presentation relating the *Case Studies and Methodologies and Integration of Academic Activities* with Inter-disciplinary Communication; which will prompt and facilitate informal reflections on this important issue from the attendees.

2:00 PM – 2:15 PM Questions and Answers

2:15 PM – 3:30 PM Reflections and Informal Conversation regarding the importance of Case Studies and Methodologies in 1) Integral and Integrated Academic Activities, and 2) Inter-Disciplinary Research, Education, and Communication

3:30 PM – 4:00 PM Coffee Break

4:00 PM – 6:00 PM Breakout Sessions

7:00 PM – 8:30 PM **Awards Ceremony and Toast**

*Award Certificates will only be delivered at the Awards Ceremony. No exceptions will be made under any circumstance*



## **Joint Event of the Collocated Conferences**

The 3<sup>rd</sup> International Multi-Conference on Complexity, Informatics and Cybernetics: IMCIC 2012

The 3<sup>rd</sup> International Conference on Society and Information Technologies: ICSIT 2012

The 2<sup>nd</sup> Ibero-American Conference on Complexity, Informatics, and Cybernetics

*Conferencia Ibero-Americana de Complejidad, Informática y Cibernética: CICIC 2012*

**Plenary Session: Monday, March 26<sup>th</sup>, 2012**

**7:45 AM - 10:15 AM**



**Professor David J. Waters, PhD, DVM**

**Purdue University, USA**

**Professor and Associate Director,**

**Purdue Center on Aging and the Life Course; and**

**Gerald P. Murphy Cancer Foundation, West Lafayette, Indiana, USA**

**Director, Center for Exceptional Longevity Studies**

**Keynote Address**

***The Paradox of Tethering:***

***Key to Unleashing Creative Excellence in the Research-Education Space***

### **Abstract**

Creative excellence in interdisciplinary research, education, and communication demands stamina and openmindedness. Stamina requires renewal, yet few opportunities for self-renewal are built into most academic systems. And as experts, our openmindedness is often stifled by our own sense of finishedness. This paper sketches out a strategy for sustained renewal and creative excellence: Each person assembling a gallery of hand-picked intellectual heroes to serve as their life-long teachers. It argues that tethering oneself to intellectual heroes does not limit one's creative potential but instead achieves exactly the opposite effect – enabling one to see and reach their own greatest potentialities. By strengthening the habit of strategic tethering, academicians can situate an active, partially guided search for self-renewal and a heightened receptivity to new ideas at the very core of achieving excellence in the research-education space.

### **Short Bio**

Dr. Waters received his B.S. and D.V.M. degrees from Cornell University and his PhD degree from the University of Minnesota. He is currently Professor of Comparative Oncology and Associate Director of the Center on Aging and The Life Course at Purdue University. Since 2005, Dr. Waters has served as Director of The Center for Exceptional Longevity Studies at the Gerald P. Murphy Cancer Foundation. Appointed to The National Academies of Sciences – Keck Futures Initiative Scientific Panel on Extending Human Healthspan in 2007, he is nationally recognized for his work on utilizing pet dogs as models of human aging. Dr. Waters is also an expert on the comparative aspects of prostate cancer in men and dogs. His research, which targets the underexplored intersection of the fields of aging and cancer, is aimed at developing personalized interventions that promote healthy longevity. As a teacher, Dr. Waters contributes significantly to Purdue University's Dual Title PhD Program in Gerontology. His course "To See and To Seize Opportunities" offers interdisciplinary graduate students the opportunity to explore the skills and attitudes that promote peak performance and self-renewal. In 2005, he was awarded The Great Teacher Award for Exemplary Interdisciplinary Teaching at Purdue. In 2010, his 22-day cross-country scientific expedition to study the oldest-living pet dogs in their homes ("The Old Grey Muzzle Tour") was featured in *USA Today*, *AARP Bulletin*, and *Good Morning America*.

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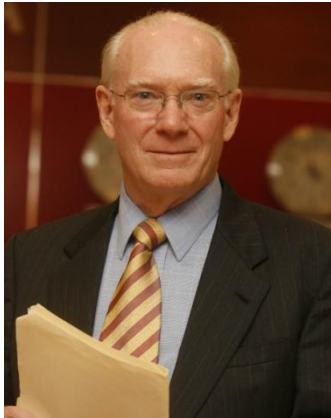
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**Plenary Session: Monday, March 26<sup>th</sup>, 2012**

**7:45 AM - 10:15 AM**



**Professor John C. Ickis**

**INCAE Business School, Costa Rica**

**Keynote Address**

*Case Research: Synergy between Academy and Society*

### **Abstract**

In this address, the speaker asserts that the academic community has the potential and even the responsibility to engage the broader community in the discussion of social issues by sharing knowledge of contemporary phenomena in their environmental context. He draws upon over 40 years of case research in developing countries on four continents to illustrate the benefits of this discussion for learning and action, including an enhanced understanding of environmental forces that may facilitate or hinder social development and the opening of pathways to dialogue.

### **Shot Bio**

John C. Ickis (M.B.A., D.B.A., Harvard University) is Professor at INCAE (*Instituto Centroamericano de Administración de Empresas*) Business School, where he teaches in the áreas of Strategy and Organization. His area of specialization is in the implementation of change in private, public, and non-profit organizations. He was Visiting International Scholar at the Harvard Business School where he participated in the design of the course, "Managing in Developing Countries" and is co-author of articles on this topic in *World Development* and *The Harvard Business Review*. He was selected as instructor in Harvard's first Colloquium on Participant-Centered Learning and has conducted case method workshops in a dozen countries of Latin America. As President of the international consulting firm J.E. Austin Associates, he worked with competitiveness programs Central Europe and Africa. He is a member of Who's Who in the World and an honorary citizen of Soweto, South Africa.

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***Plenary Session: Monday, March 26<sup>th</sup>, 2012***

**7:45 AM - 10:15 AM**



**Professor Shirley Hanshaw**

*Mississippi State University, USA*

**Keynote Address**

***The Importance of Technical Communication in Synergistic Relationships among Academia, Business and Government***

### **Abstract**

Technical communication practitioners desirous of maintaining a competitive edge and promoting innovation in a fast-paced, highly technological society, as well as communicating effectively for a global audience, must be engaged in ongoing empirical and applied research. Attention to such intra-disciplinary concerns will greatly enhance effective inter-disciplinary communication among academia, business, and government to produce synergistic relationships both benefitting students who need to know the skills necessary to obtain jobs while also meeting the needs of prospective employers who require prepared, knowledgeable candidates for the workforce. The establishment of consortia and other collaborative ventures facilitates this process of finding common ways to address a variety of needs, such as different communication styles and the use of intellectual property in the government and business arenas versus those requirements in academia. Finding common ground that will increase the benefit-to-risk ratio among the plethora of stakeholders in each of these entities promises rewards for all concerned.

### **Short Bio**

Dr. Shirley Ann James Hanshaw has enjoyed two careers, spanning thirty-five years—in academia and the Federal government—in Delaware and Mississippi. Her areas of specialization include technical writing, as well as African American and multi-ethnic literature. Her B.A., M.A. and Ph.D. degrees are all in English with a minor in French. Dr. Hanshaw has taught at several colleges and universities where she has maintained an exemplary record of research, teaching and service while also publishing in refereed literary and technical scholarly

journals, a recent technical article being: “Using Information Technology for Strategic Growth from Single-Mission Transportation Company to Multi-faceted Global Logistics Corporation,” *Journal of Cases in Information Technology* 10.3 (July-September 2008): 11-23. This article is based on fieldwork Dr. Hanshaw performed at James Group International ([www.jamesgroupintl.com](http://www.jamesgroupintl.com)) in Detroit, MI, where she serves as Consultant and Archival Specialist. She developed and introduced technical writing courses into the English curriculum at Alcorn State University where she also was awarded the Danforth Associateship for Outstanding Teacher in the Sciences and Humanities by the Danforth Foundation, 1977-1983. Later, during a six-year hiatus from academia, she became the first African American technical writer-editor at the Corps of Engineers in Vicksburg, Mississippi, where she originated and taught technical writing seminars for engineers and scientists at the Coastal Engineering Research Center, for which she received numerous awards and commendations. Dr. Hanshaw’s diverse literary research interests have led to scholarly presentations across the African Diaspora—from Senegal and Ghana in West Africa to the University of the Virgin Islands in St. Thomas—and at the University of Hawaii at Manoa. Most recently, her scholarly pursuits have led to presentations at L’Universite’ Paris 8 in France, and Lund University in Lund, Sweden. Her first book, *Conversations with Yusef Komunyakaa*, was published in March 2010. Her second book, under contract with Michigan State University Press, is in press. In 2008 she was named **Researcher of the Month by the MSU College of Arts and Sciences**. Most recently, for two consecutive years, 2010 and 2011, she has been awarded the **MSU State Pride Award** for “excellence in research, teaching and service.” Her daughter, Dr. Nneka T. Hanshaw Breaux, is a Chemist (Ph.D., Purdue U.) at Dow AgroSciences, Indianapolis, IN, and her son, Dr. Okera S. Hanshaw (M.D., U. of Michigan), is an Anesthesiologist at Newton Medical Center, Covington, GA, and Southern Regional Medical Center, Riverdale, GA.

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*Conferencia Ibero-Americana de Complejidad, Informática y Cibernética: CICIC 2012*

**Plenary Participatory Workshop: Monday, March 26<sup>th</sup>, 2012**

**1:30 PM – 3:30 PM**



**Professor T. Grandon Gill**

University of South Florida, USA

**Participatory Workshop**

*Case Studies and Methodologies and  
Integration of Academic Activities*

### Abstract

This workshop will introduce participants to Case Studies and Method by showing the possibilities they generate for the Integration of Academic Activities

A mix of presentation, exercises and discussion, the topics to be covered will include:

- What is the case method?
- Different types of case study and how they are used
- Steps in developing authentic case studies: from recruiting sites to publication
- Facilitating case discussions in the classroom
- Measuring case method learning outcomes
- Publishing case studies
- Opportunities for funding case method projects
- Broader impacts of case method on the individual and institution

### Short Bio

The facilitator, Dr. T. Grandon Gill, has extensive experience in case method research, as well as in writing cases for classroom use and facilitating case discussions. His MBA and DBA are both from Harvard Business School, where the case method originated. He is author of the book *Informing with the Case Method* (2011, Informing Science Press) and recently became the founding editor of *Journal of Information Technology Education: Discussion Cases*, a publication outlet for case studies in the MIS, IT and informing science fields. Interested participants will be encouraged to remain in touch with the facilitator for possible participation in future grant initiatives and workshops.

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*Conferencia Ibero-Americana de Complejidad, Informática y Cibernética: CICIC 2012*

***Plenary Session: Tuesday, March 27<sup>th</sup>, 2012***

**7:45 AM - 10:15 AM**



**Professor Carlee A. Bishop**

**Georgia Institute of Technology**

**Executive Director for**

**The Professional Master's in Applied Systems Engineering**

**Keynote Address**

***Experiential Learning in Applied Systems Engineering Education***

### **Abstract**

The increasing complexity of systems under development have pushed both industry and government organizations to have a growing emphasis on systems engineering. These organizations recognize, however, that there is a knowledge gap of qualified systems engineers due to retirements followed by inexperienced replacements. The development of an effective systems engineer, therefore, is a multifaceted and multi-disciplinary process conducted throughout the entire career of the engineer. One key element of this training is the necessity to have applied systems engineering experiences. Implementing research done on experiential learning and systems thinking, a number of techniques can be utilized to expose students to the applied aspects of systems engineering. In this plenary I will discuss ways to conduct these experiential learning activities throughout the initial training and career of the systems engineer. I will also discuss how these methods can be extended to other disciplines to engage students and enhance knowledge transfer.

### **Short Bio**

Carlee Bishop is the Executive Director for the Professional Masters Degree in Applied Systems Engineering and Certificate Programs at the Georgia Institute of Technology. She has over 29 years of professional military and defense-related leadership and management experience that includes directing studies and analysis efforts for HQ European Command, managing formal C-141 flight training programs, directing and instructing college-level programs in engineering, and managing major Department of Defense Projects. She has over 16 years of teaching experience as academic faculty and as a flight instructor and evaluator. She is a Command Pilot with approximately 3000 hours in C-141, T-41, TG-7, T-38, and T-37 aircraft. She earned a B.S. in Electrical Engineering at the United States Air Force Academy, a M.S. in Electrical Engineering at the Georgia Institute of Technology, and a Ph.D. in Electrical Engineering at Auburn University.



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*Conferencia Ibero-Americana de Complejidad, Informática y Cibernética: CICIC 2012*

***Plenary Session: Tuesday, March 27<sup>th</sup>, 2012***

**7:45 AM - 10:15 AM**



**Professor Steve Lambert**

**University of Waterloo, Canada**

**NSERC – Waterloo Chair in Design Engineering**

*Natural Sciences and Engineering Research Council of Canada*

**Keynote Address**

***Integrating Industrial Experience into the Undergraduate  
Engineering Curriculum Using Case Studies***

### **Abstract**

A case study on the design and implementation of a program to use case studies to integrate engineering practice across the Engineering curriculum at the University of Waterloo is presented. A key innovation of this program is the generation of case studies directly from student experience, via conversion of their co-op work term reports into case studies. The principles and practices used for this program are presented, along with a discussion of the successes and issues. A critical mass of cases has been developed and the rate of case production has reached the target of at least 30 new cases per year. Cases have been implemented in a wide range of courses, from first year to graduate level, across all Departments in the Faculty. Efforts are currently focused on expanding case use, especially outside of mechanical engineering, and on improving the impact of case use, through peer learning and class discussions. Cultural change has started, but more work is necessary. There has been some interest in expanding this program outside of engineering at Waterloo, and outside the University. Care must be taken when making these cases available outside Waterloo, to respect student copyright and the wishes of industry partners. Currently, industry partners are given the option of restricting case use to Waterloo only. Almost all have chosen this option. It is not clear why this is so, but further investigation and discussion is required to change this. Another consideration is whether to charge for cases, as is done for most business cases. This provides some measure of control to ensure these cases are used effectively and that modules are not made public, and a way to recoup some administrative costs. No decision has yet been made on whether to pursue this business model, or an open-source model.

### **Short Bio**

Professor Lambert is a mechanical engineer with degrees from the University of Waterloo and Queen's University at Kingston. He has been teaching at the University of Waterloo since 1988, and currently holds the NSERC – Waterloo Chair in Design Engineering. He formed and leads the Waterloo Cases in Design Engineering group, which is focused on the development and implementation of case studies throughout the undergraduate engineering program. He is also the theme leader for design process for AUTO21, a Canadian Network Centre of Excellence, and the Canadian fatigue task leader for the Magnesium Front End Research and Development project.”

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**Plenary Session: Tuesday, March 27<sup>th</sup>, 2012**

**7:45 AM - 10:15 AM**



**Professor Heidi M. Ravven**

**Mississippi State University, USA**

**Keynote Address**

**'The I that Is We':**

***Understanding moral agency in terms of nested complex adaptive systems***

### Abstract

I present a range of neurobiological and other evidence for the claim that the boundaries of the self extend way beyond the scope of the body and that our investment in others and in the world is finally what ethics is all about. Along with self-mapping, the discovery of the self beyond itself and invested in and spanning its worlds, social and natural, is what we must now realize is the source—or a major contributory source—of ethics. I argue here that it is this sense of self as spanning mind-body and world that is the origin and nature of our moral investment and agency in the world. *We locate our basic biological sense of self-preservation and self-furthering in a self distributed beyond our skin into our environments, natural and human. This is why we care about the world and why it is the arena of our moral concern and of our ideals.*

### Short bio

Heidi M. Ravven is Professor of the Philosophy of Religion at Hamilton College. She is currently completing a book, *THE SELF BEYOND ITSELF: An Alternative History of Ethics, the New Brain Sciences, and the Myth of Free Will*, for The New Press (2012). Ravven received a \$500,000 award from The Ford Foundation for five years to write a book rethinking moral agency--why people are ethical, why they are not, and how to get them to be more ethical. *The Self Beyond Itself* looks very broadly at evidence from the new brain sciences and at complex adaptive systems. Yet it doesn't take the science at face value but casts a critical eye at it. = Ravven begins by exploring what the standard Western assumptions are about why and when people are moral and why and when they stray from the ethical path. She exposes deep cultural beliefs stemming from early Latin Christian doctrine (mostly in secularized versions) at the root of how most of us still think about ethics, even many scientists and philosophers. Ravven then points to another ancient Western tradition, the one from which the seventeenth century Dutch philosopher, Baruch Spinoza, stemmed, as offering an alternative vision of human moral nature and personal and social responsibility. Spinoza's vision of the infinitely expansive boundaries of the self, as we progressively take in and embrace the world, opens up a broader swathe of the evidence coming out of the new brain sciences as relevant to exploring and understanding what makes us moral beings. Spinoza turns us toward a systems theory of moral agency. Professor Ravven's research has focused on the 17th century philosopher, Baruch Spinoza, and on the medieval Jewish philosopher, Moses Maimonides. She has also published on G.W. F Hegel's philosophy and on feminist and Jewish ethics.



## Joint Event of the Collocated Conferences

The 3<sup>rd</sup> International Multi-Conference on Complexity, Informatics and Cybernetics: IMCIC 2012

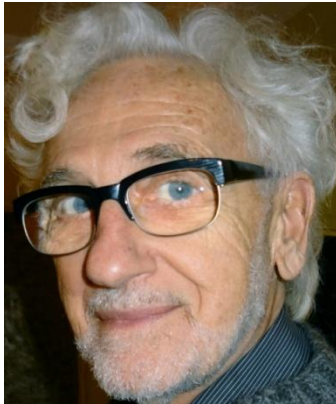
The 3<sup>rd</sup> International Conference on Society and Information Technologies: ICSIT 2012

The 2<sup>nd</sup> Ibero-American Conference on Complexity, Informatics, and Cybernetics

*Conferencia Ibero-Americana de Complejidad, Informática y Cibernética: CICIC 2012*

**Plenary Session: Wednesday, March 28<sup>th</sup>, 2012**

**7:45 AM - 10:15 AM**



**Professor G. Thomas Fox**

**National Louis University, USA**

**Keynote address**

***Addressing the unsolved through edGe-ucating, or Can IREPS sponsor democratic knowledge production?***

*(IREPS: Integration of Research, Education, and Problem Solving)*

### **Abstract**

Professor Fox relates the lessons he has been learning about the experiences of educating amateurs to work on the unsolved to the purposes stated for the 2012 IREPS (Integration of Research, Education, and Problem Solving) symposium. He shows how past, recent, and current experiences in having neophytes contribute to the frontiers of knowledge suggest that it is possible for many more world citizens to be engaged in contributing to research and problem solving. He calls the action of getting amateurs to work at the edges of what is known, “edGe-ucating,” and asks the participants of IREPS to consider whether they see these possibilities in democratic knowledge production to be useful in promoting their own interests in integrating research, education, and problem solving.

### **Short bio**

G. Thomas Fox is department chair of Integrated Teaching, Technology and Inquiry at National College of Education, National Louis University. Since the 1970’s he has researched higher education, applying qualitative and quantitative research methods, and has also been active in teaching action research with teachers in the U.S., England, and Iceland. He has emphasized the power of wider engagement in research for reforming educational practice and policy. His current research focuses on the practices and possibilities for engaging neophytes at the frontiers in all fields of expert inquiry, for the purposes of educating citizens, increasing the power of research, and improving the effectiveness of democratic societies. Titles of recent presentations to international conferences include: “Democratic knowledge production: A challenge to curriculum theory, development, and practice,” “Literacy within the ambiguity of the unknown,” and “edGe-ucating: a challenge to educators, researchers, technologists, and social developers to democratize intellectual breakthroughs.”

## **Joint Event of the Collocated Conferences**

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***Plenary Session: Wednesday, March 28<sup>th</sup>, 2012***

**7:45 AM - 10:15 AM**



### **Professor Thomas Hilburn**

**Embry-Riddle Aeronautical University, USA**

Professor Emeritus of Software Engineering

#### **Keynote address**

***Problem Solving through Case Studies***

### **Abstract**

Professionals are employed to solve problems: management problems, technical problems, communication problems and problems arising from interpersonal and collaborative work. A principal goal of educational programs and professional development activities is develop individual and collaborative problem-solving competencies: analysis and specification of the problem, planning for the problem solution, selection and employment of various strategies for solving the problem, assessment of the solution, and reflection on the problem-solving process. This presentation deals with techniques and processes for problem-solving and how the case method can help students and working professionals become better problem solvers. Ideas and examples are presented of how case studies can be used to address various problem solving issues: collaboration, problem specification and planning, solution strategies, solution assessment, and reflection.

### **Short Bio**

Dr. Thomas B. Hilburn is a Professor Emeritus of Software Engineering at Embry-Riddle Aeronautical University and was a Visiting Scientist at the Software Engineering Institute, Carnegie-Mellon from 1997 – 2009. In 2011, he was the recipient of the Nancy Mead Award for Contributions to Software Engineering Education. He has worked on software engineering development, research, and education projects with the FAA, General Electric, Lockheed-Martin, the Harris Corp, the MITRE Corporation, DOD, FIPSE, the SEI, the NSF, the ACM and the IEEE Computer Society. He has used case study teaching approaches in the design and delivery of courses and workshops to undergraduates, graduate students, faculty, researchers, and professional engineers. He is an IEEE Certified Software Developer, an IEEE Software Engineering Certified Instructor, and has chaired committees on the Professional Activities Board and the Educational Activities Board of the IEEE Computer Society.

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*Conferencia Ibero-Americana de Complejidad, Informática y Cibernética: CICIC 2012*

***Plenary Session: Wednesday, March 28<sup>th</sup>, 2012***

**7:45 AM - 10:15 AM**



**Professor Tarek M. Hegazi**

**University of Waterloo, Canada**

**Keynote address**

***Attitude-Based Negotiation for Resolving Complex Disputes***

### **Abstract**

Negotiation is an important skill that is needed in resolving various matters from simple family issues to complex multi-national disputes. This talk will highlight a negotiation methodology and a Decision Support System (DSS) for resolving complex disputes. The methodology is unique in its ability to simulate the actions and counteractions of the negotiation, considering the attitudes of the negotiators. The methodology employs the Graph Model for Conflict Resolution (GMCR) and utility concepts to provide agreed-upon tradeoffs with respect to any conflicting issues. The DSS has been successfully applied to several complex brownfield cases involving multiple conflicting parties. The DSS proved its usefulness in accurately identifying tradeoffs, satisfying all decision makers, and generating optimum solutions. It also proved that positive attitudes can improve negotiation results for all stakeholders.

### **Short bio**

Tarek Hagazy, Ph.D., P.Eng., is Professor of Civil Engineering at the University of Waterloo. He has held various professional and academic positions and participated in a wide spectrum of construction projects. Dr. Hegazy is internationally renowned for his research on computational asset management and construction project management. Dr. Hegazy is the sole author of the textbook "Computer-Based Construction Project Management" published by prentice Hall in 2002, many technical publications in journals and conferences. Dr. Hegazy received several awards of excellence in research. In 2004, he was acknowledged as one of the world's top five contributing authors to ASCE construction research. He also received a best paper award from the Journal of Management in Engineering, and top cited paper award from the Advanced Engineering Informatics Journal. Dr. Hegazy has two patents and is the founder of OPTEAM Project Management Consultants Inc.

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*Conferencia Ibero-Americana de Complejidad, Informática y Cibernética: CICIC 2012*

***Plenary Session - Conversational Panel: Tuesday, March 27<sup>th</sup>, 2012***

**1:30 PM – 3:30 PM**



**Professor Jill B. Pable**

**Florida State University, USA**

**Keynote Address**

***Five Research, Economic and Cultural Trends that Support  
Case Study Methodology Approaches***

### **Abstract**

Research methodology tends to reflect the priorities and needs of the culture it serves at its point in time. This presentation will identify five cultural trends, both small and broad, that support the use of case study approaches within the social sciences and other fields. Issues such as research costs, the growing complexity of the body of knowledge and the ground shift in the current cultural age contribute to this new perspective.

### **Short Bio**

Dr. Jill B. Pable is an Associate Professor at Florida State University. She teaches Commercial interior design, design theory and criticism, and pedagogy in interior design. Her academic/professional interests include Interior design education and learning and social responsibility in design. She has published in design and technology journals, has presented at national and international conferences gathering five national and regional teaching awards, and has served as an invited keynote speaker at United States research and teaching conferences. She is a member of several professional associations and a Fellow of the Interior Design Educators Council. She served as the national president (2009-2010) of the Interior Design Educators Council (IDEC), the IDEC Academy Coordinator (2005-2007) and the IDEC National secretary-treasurer (2001-2004).

Dr. Pable earned the following grants:

- Florida State University Council for Research and Creativity Small Project Grant: Homeless Shelter Cradle furniture design with Rachelle McClure and Sean Coyne.
- First Year Assistant Professor Grant. Summer funding for descriptive analysis study to understand attitudes of design practitioners and educators towards quick three-dimensional sketching in ideation and communication.
- Service Learning Grants. For collaborative interior design/graphic design/photography project proposing a visioning design solution for the Sacramento Salvation Army homeless shelter. Also project “Wall of Hope”, an interior design/graphic design initiative creating design and construction documents for a changeable inspiration wall telling success stories of overcoming homelessness.

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*Conferencia Ibero-Americana de Complejidad, Informática y Cibernética: CICIC 2012*

***Plenary Session - Conversational Panel: Tuesday, March 27<sup>th</sup>, 2012***

**1:30 PM – 3:30 PM**



**Dr. Suzanne Horn**

**Queens University of Charlotte, USA**

**Keynote Address**

***How case study can be used in the professional development school setting?***

### **Abstract**

Dr. Horn will address how case study and mixed design can be applied to the k-12 school setting. She will provide examples from her own research and address why case study is an important methodology for the school setting. In addition she will discuss how it is a vital piece of her research agenda in her work with professional development schools.

### **Short Bio**

Dr. Suzanne Horn is Chair of the Academic Policy Committee, Coordinator of secondary education, and Assistant Professor of Secondary Education at Queens University of Charlotte. Dr. Horn created 1) Professional Development School with Myers Park Traditional School, and 2) RALC (Regional Alternative Licensing Center) on-line program and taught all on-line RALC courses. She earned several Licensures and certifications in K-12 education.

Dr. Horn was (2004 – 2007) Coordinator for secondary education and Assistant Professor of Teacher Education at Spring Hill College, as well as Visiting Assistant Professor of Education at The University of North Carolina Greensboro.

Her research interests include Professional Development Schools and their success in raising student achievement, and effective teaching methodology. She has published in several journals, and presented at national and international conferences.

## Joint Event of the Collocated Conferences

The 3<sup>rd</sup> International Multi-Conference on Complexity, Informatics and Cybernetics: IMCIC 2012

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*Conferencia Ibero-Americana de Complejidad, Informática y Cibernética: CICIC 2012*

**Plenary Session: Conversational Panel: Wednesday, March 28<sup>th</sup>, 2012**

**1:30 PM – 3:30 PM**



**Professor Andres Tremante**

**Florida International University, USA**

**The Mechanical & Materials Engineering (MME) Department**

**Keynote Address**

***A Specific Case of Integrating Both  
Academic Activities and Disciplines***

### Abstract

Professor Andres Tremante is a former President of the Foundation for Research and Development of the University Simón Bolívar in Caracas, Venezuela (*Fundación de Investigación y Desarrollo: FUNINDES*). This Foundation was created 25 years ago with the objective of integrating academic activities among themselves and with the Industry and Society at large. During 25 years FUNINDES integrated Research, Education, and Real Life Problem Solving through industrial projects which, in turn, helped in the financial support of both the University and the individual professors. The experience showed that this synergic relationship has been producing, and being produced by, Interdisciplinary Research, Education, and Communication, because real life problem usually need this multi-dimensional interdisciplinarity in order to effectively approach them. Consequently, FUNINDES is a very adequate case to be approached for a *Case Study in the integration of both academic activities and among disciplines.*

### Short Bio

Dr. Andres Tremante received both his BS and MS in Mechanical Engineering (ME) from Simon Bolivar University in Venezuela, and his PhD from ENSAM in Paris, France. He remained there for post-doctoral studies in multi-phase flow and pumping applied to nuclear and oil industries. Presently he teaches courses in the thermodynamics and fluid mechanics stem of the BSME program. Dr. Tremante began his stint at FIU working as a senior research scientist with the Applied Research Center before moving to the Mechanical and Materials Engineering Department in 2009. Prior to this he was Professor and Head of “The Mechanical Energy Conversion Laboratory” at Simon Bolivar University (Laboratorio de Conversión de Energía Mecánica. Universidad Simón Bolívar – USB) from 1992 to 2005 where his Undergraduate & Graduate courses and Research Areas included: Thermodynamics, Fluid Mechanics & Heat Transfer, Statics & Dynamics, Thermal & Hydraulic Turbomachines, Internal Combustion Engines, Energetic Systems, Hydro & Thermal Power Generation, Fossil & Renewable Energy, Oil Production & Multiphase Flow. In the recent past, he has been an editorial member of several journals and has published 75 papers in his area of expertise.



# IMCIC / ICSIT / CICIC 2012

## SCHEDULE OF PAPER PRESENTATIONS

### SUNDAY, MARCH 25, 2012

SUNDAY, MARCH 25, 2012  
9:00 AM - 12:00 PM  
1:00 PM - 5:00 PM

**Registration**  
(Room: Tampa Bay 1)

### MONDAY, MARCH 26, 2012

MONDAY, MARCH 26, 2012  
8:00 AM - 12:00 PM  
1:00 PM - 6:00 PM

**Registration**  
(Room: Tampa Bay 1)

MONDAY, MARCH 26, 2012  
7:45 AM - 10:15 AM

**General Joint Plenary Session** of all Collocated Events  
(with plated breakfast)  
(Room: Indian)

8:00 AM – 8:45 AM

Keynote Speaker: Professor David J. Waters, (University of Purdue, USA and Gerald P. Murphy Cancer Foundation, USA), *The Paradox of Tethering: Key to Unleashing Creative Excellence in the Research-Education Space*

8:45 AM – 9:30 AM

Keynote Speaker: Professor John C. Ickis (INCAE Business School, Costa Rica), *Case Research: Synergy between Academy and Society*

9:30 AM – 10:15 AM

Keynote Speaker: Professor Shirley Hanshaw (Mississippi State University, USA), *The Importance of Technical Communication in Synergistic Relationships among Academia, Business and Government*

MONDAY, MARCH 26, 2012  
10:20 AM - 12:20 PM

**Technological Development Strategy and Information Systems Engineering (ICEME)**  
(Room: Florida Bay 2)  
Co-Chair: **Altino José Mentzingen de Moraes (Brazil)**

- Abrantes Baracho, Renata María; Porto, Marcelo Franco; Vieira de Almeida, Renato (Brazil): "Physical Feasibility Study System for Projects with a View to the Decision Making Process"
- Badaro, Roberto \*; Cruz, Camille \*; Garcia, Rosa \*; Aronoff-Spencer, Eliah \*\*; Kim, Hyeoneui \*\*; Browne, Sara \*\*; Schooley, Robert T. \*\* (\* Brazil, \*\* United States): "Improving Adherence to Complex Medical Regimens through the Integration of Knowledge, Technology and Informatics"
- Hesson, Mihyar \*; Al-Ameed, Hayder \*; Semaka, Mohammed \*\* (\* United Arab Emirates, \*\* Qatar): "Database Performance Issues"
- Moraes, Altino José Mentzingen de (Brazil): "Plan-for-Gov[IT] - Planning for Governance of IT Method: Use of the Techniques of "Text Retrieval" for Mapping the Expected Support Needs from IT Area to Serve of the Corporation's Core-Business Expectations"
- Yamada, Hiroyuki; Ohwada, Hayato (Japan): "Clustering Hyperlink-Induced Topics for Effective Paper Search"

**MONDAY, MARCH 26, 2012**  
**10:20 AM - 12:20 PM**

**Communication and Control (IMCIC)**  
**(Room: Florida Bay 1)**  
**Co-Chair: Paul A. Avery (United States); Francis Adepouju (Nigeria)**

- Avery, Paul A.; García, Richard (United States): "Distributed Control in Multi-Vehicle Systems"
- La Manna, Mario (Italy): "Urban Environment Monitoring: System and Technology Issues"
- Salatian, Apkar; Adepouju, Francis (Nigeria): "In Praise of Wavelets – 3 Disparate Case Studies"
- Spanik, Pavol; Drgona, Peter; Frivaldsky, Michal; Radvan, Roman; Hurtuk, Peter; Buday, Jozef (Slovakia): "Optimization of Efficiency of Power Electronic Converter Suited for Electroplating"
- Zhang, W.; Zhao, M. H.; Wang, Q. (China): "Nonlinear Control of Composite Laminated Cantilever Rectangular Plate Subject to the Third-Order Piston Aerodynamics"

**MONDAY, MARCH 26, 2012**  
**10:20 AM - 12:20 PM**

**Inter-disciplinary Research, Education, and Communication I (IDREC)**  
**(Room: Florida Bay 3)**  
**Co-Chair: Andrew Chen (United States); C. Pierre (United States)**

- Chen, Andrew (United States): "Student-Voted Multiple-Round Elimination Team Projects"
- Hanshaw, Shirley (United States): "The Technical Communicator as Purveyor of Integrative Relationships among Academia, Business, and Government"
- Pantaleao, Fernanda Carla; Faljoni-Alario, Adelaide (Brazil): "Perceptions of Teachers on UFABC Interdisciplinarity and its Practice"
- Pierre, C.; Chung, G.; Abebe, F.; Kebede, T. (United States): "An Emergent Model: A Vehicle for Research Methods and Research Activities"
- Waters, David J.; Chiang, Emily C. (United States): "Fostering the Self-Renewal of Teachers: An Underutilized Approach to Innovating Interdisciplinary Education"

**MONDAY, MARCH 26, 2012**  
**10:20 AM - 12:20 PM**

**Design and Modeling (DEMSET)**  
**(Room: Biscayne Bay)**  
**Co-Chair: Eli Meltzer (United States)**

- Claustro, Erica; Haas, Jacquelyn (United States): "Parametric Analysis of Acoustical Requirements for Lateral Reflections: Melbourne Recital Hall Case Study"
- Huerta, E. Lucia (United States): "Parametric Constraints in Acoustical Design: The Case Study of Teatro Degli Arcimboldi"
- Meltzer, Eli (United States): "A Parametric Workflow: From Grasshopper3D to Autodesk Inventor"
- Su, Xing (United States): "The Research of Acoustic Design of Concert Halls"

**MONDAY, MARCH 26, 2012**  
**1:30 PM - 3:30 PM**

**Plenary Participative Workshop**  
**(Room: Tampa Bay 3)**

Professor T. Grandon Gill (University of South Florida, USA), *Case Studies and Methodologies and Integration of Academic Activities*

**MONDAY, MARCH 26, 2012**  
**3:30 PM - 4:00 PM**

**Coffee Break**  
**(Room: Tampa Bay Lobby)**



**MONDAY, MARCH 26, 2012**  
**4:00 PM - 6:00 PM**

**ICTs in the Public and Private Sectors (ICSIT/IDREC)**  
**(Room: Florida Bay 2)**  
**Co-Chair: Robert Bonometti (United States); Marco A. Lara Gracia (United States)**

- Bonometti, Robert (United States): "Towards a True Participatory eDemocracy: Leveraging Business Intelligence Tools to Assess Voter Preferences"
- Chen, Jong-Rong (Taiwan): "e-Commerce, R&D, and Productivity: Firm-Level Evidence from Taiwan"
- Hutchings, Stuart; LeClere, Felicia; Beecher, Bryan (United States): "Cloud Computing and Confidential Data: An Analysis of Security Implications and Mitigation Strategies"
- Lara Gracia, Marco A.; Vangampl, Joseph (United States): "A Decision Support System for Conflict Resolution in Supply Chain Security"
- Oliveira, Elvira Fernandes de Araújo; Oliveira, Patricia Wehber Souza de (Brazil): "Knowledge Management and Supporting Computer Tools"
- Zaaiman, Jannie (South Africa): "Cyber Crime and Cyber Warfare with International Cyber Collaboration for RSA – Preparing Communities"
- Chiang, Emily C.; Waters, David J. (United States): "How the Deep-Rooted Metaphor “more is better” Compromises Interdisciplinary Communication and Jeopardizes Public Health"

**MONDAY, MARCH 26, 2012**  
**4:00 PM - 6:00 PM**

**Education and Informatics I (ICETI)**  
**(Room: Florida Bay 3)**  
**Co-Chair: Ildikó Szabó (Hungary)**

- Ferencz, Árpád; Nótári, Márta; Lévai, Péter (Hungary): "Professional Further Training of Farmers as a Function of Agricultural Innovation"
- Granzer, Wolfgang; Praus, Friedrich; Balog, Peter (Austria): "Source Code Plagiarism in Computer Engineering Courses"
- Huang, Hsin-Chou (Taiwan): "L2 Readers' Perceptions of e-Books"
- Kaufmann, Christian; Holweg, Gerd; Wahl, Harald; Balog, Peter; Mense, Alexander (Austria): "University Education in Transition – Which Technical Support is Needed by Part-Time Students"
- Szabó, Ildikó; Szinger, Veronika; Steklács, János (Hungary): "The Implementation Phase of BaCuLit-Project in Hungary"
- Wahl, Harald; Kaufmann, Christian; Mense, Alexander; Eckkrammer, Florian; Gollner, Helmut; Himmler, Christian; Rogner, Wolf; Baierl, Thomas; Slobodian, Roman (Austria): "The Importance of Soft Skills in Technical Oriented Education"

**MONDAY, MARCH 26, 2012**  
**4:00 PM - 6:00 PM**

**Case Studies and Methodologies I (IREPS)**  
**(Room: Biscayne Bay)**  
**Co-Chair: Suzanne Horn (United States)**

- Buettner Jr., Raymond R. (United States): "Multi Institutional Semi-Structured Learning Environments"
- Horn, Suzanne; Compton, Cynthia; Gleiser, Samantha; Etheridge, Kimberly (United States): "Assisting Struggling Biology Students to Succeed with the Use of SQ3R"
- Ickis, John C.; García-Rada, Ximena; Prado, Andrea M. (Costa Rica): "FIFCO: Sustainability Champion"
- Lin, Yao Chin; Tsai, Ping Heng (Taiwan): "The Global Headquarters Systems Integrating the Process of Collaborative Commerce: A Case of an Electric Company in Taiwan"

**MONDAY, MARCH 26, 2012**  
**4:00 PM - 6:00 PM**

**Computer Science and Engineering (IMCIC)**  
**(Room: Florida Bay 1)**  
**Co-Chair: Issam Kouatli (Lebanon); Angelina A. Tzacheva (United States)**

- Alhayyan, Khalid N.; Bouayad, Layinah (United States): "A Data Mining Method for the Medical Relationship between Diagnoses and Procedures – Vermont Hospital 2009"
- Flórez Fernández, Héctor A. (Colombia): "Model Transformation Chains as Strategy for Software Development Projects"
- Kouatli, Issam (Lebanon): "CRM Performance Analysis Using the Concept of Genetic Fuzzimetric Technique"
- Mitrovic, Frane; Kovacevic, Goran; Sumic, Dean (Croatia): "Operation of Marine Diesel Engine Based on Differential Equations"
- Tzacheva, Angelina A.; Bell, Keith J. (United States): "Music Information Retrieval with Polyphonic Sounds and Timbre"
- Zykov, Sergey V. (Russian Federation): "Pattern-Based Development of Enterprise Systems: From Conceptual Framework to Series of Implementations"

**MONDAY, MARCH 26, 2012**  
**4:00 PM - 6:00 PM**

**Aplicaciones de Informática y Cibernética en Ciencia e Ingeniería (CICIC)**  
**(Room: Pensacola Bay)**  
**Co-Chair: Elena F. Ruiz (México); Cindy E. Guerrero (Colombia)**

- Arango Marín, Jaime Antero; Giraldo García, Jaime Alberto (Colombia): "Modelo de Gestión de Compras basado en Inventarios por Demanda según Nivel de Servicio a partir de Pronósticos de Ventas"
- Gómez Barreto, Paola A.; Barón Velandia, Julio (Colombia): "Diseño de un Componente Software para el Diseño y Ejecución de Algoritmos Genéticos"
- Guerrero, Cindy E.; Pérez, José D. (Colombia): "Implementación de Matlab para el Diseño de Control Péndulo Invertido, sobre Plataforma Lego MINDSTORMS NXT"
- Ruiz, Elena F.; Vásquez, Leonardo D. (México): "Evaluación Adaptativa de Cálculo Diferencial con Apoyo de un Sistema Computacional a Nivel Ingeniería"

**MONDAY, MARCH 26, 2012**  
**7:00 PM - 8:30 PM**

**Welcome Reception**  
**(Room: Indian/Pacific)**

## **TUESDAY, MARCH 27, 2012**

**TUESDAY, MARCH 27, 2012**  
**8:00 AM - 12:00 PM**  
**1:00 PM - 6:00 PM**

**Registration**  
**(Room: Tampa Bay 1)**

**TUESDAY, MARCH 27, 2012**  
**7:45 AM - 10:15 AM**

**General Joint Plenary Session** of all Collocated Events  
(with plated breakfast)  
**(Room: Indian)**

8:00 AM – 8:45 AM

Keynote Speaker: Professor Carlee Bishop (Georgia Institute of Technology, USA),  
*Experiential Learning in Applied Systems Engineering Education*

8:45 AM – 9:30 AM

Keynote Speaker: Professor Steve Lambert (University of Waterloo, Canada),  
*Integrating Industrial Experience into the Undergraduate Engineering Curriculum*

*Using Case Studies*

9:30 AM – 10:15 AM

Keynote Speaker: Professor Heidi M. Ravven (Mississippi State University, USA),  
*Understanding moral agency in terms of nested complex adaptive systems*

**TUESDAY, MARCH 27, 2012**  
**10:20 AM - 12:20 PM**

**ICTs in Society and Education (ICSIT)**  
**(Room: Florida Bay 3)**  
**Co-Chair: Daniel J. Guhr (United States)**

- Éthier, Jean; Boeck, Harold; Pellerin, Geneviève (Canada): "Emotions and their Impact on Consumer Commitment to a Website: A Research Proposal"
- Guhr, Daniel J. \*; Gair, Grace A. \*\* (\* United States, \*\* Germany): "The Impact of the Rapidly Changing Mobile Devices Market on e-Learning in Higher Education"
- Marino, Tiago; Xavier-da-Silva, Jorge (Brazil): "Geoprocessing for Urban Planning: Methodology for Decision Making in the Context of Social and Environmental Hazards in Urban Areas"
- Nkhoma, Mathews Z.; Dang, Duy P. T.; Lu, Tu H. (Vietnam): "Towards an Understanding of Implementation and Benefits of ICT in Education: Review of Issues to be Considered by Developing Countries"
- Núñez Gálvez, Cristina (Spain): "Teacher Education in ICT in Andalucía, Spain"
- Vasilache, Simona (Japan): "Information Technology and Natural Disasters: Japan Case Study"

**TUESDAY, MARCH 27, 2012**  
**10:20 AM - 12:20 PM**

**Integrating Research, Teaching, and Practice (IREPS)**  
**(Room: Biscayne Bay)**  
**Co-Chair: Troy Abel (United States); Julien Mercier (Canada)**

- Abel, Troy (United States): "Design Education: Incorporating Eye-Tracking Research into the Traditional Design Studio"
- Barth, Florian; Luft, Matthias (Germany): "Towards a Practical Approach for Teaching IT-Security"
- Bosch, Horacio; Bergero, Mercedes (Argentina): "Research, Education and Problem Solving as a Virtuous Circle"
- Mercier, Julien (Canada): "Fostering Pedagogical Innovation through Teachers' Decision-Making: A Cognitive Point of View"
- René de Cotret, Sophie; Larose, Réal; Leblanc, Manon (Canada): "From School Knowledge to Everyday Life: Introducing an Alert Bell to Upgrade the Common Sense"
- Van Eeden, Elize S. (South Africa): "A Practical Exploration of the Feasibility of Integrative Multidisciplinary Research from a Broad Ecohealth Perspective in South Africa"

**TUESDAY, MARCH 27, 2012**  
**10:20 AM - 12:20 PM**

**ICT and Applications (IMCIC)**  
**(Room: Florida Bay 1)**  
**Co-Chair: Hayato Ohwada (Japan); Deborah L. MacPherson (United States)**

- Abrantes Baracho, Renata María; Dias, Márcio Teodoro (Brazil): "Data Mining in a System of a Candidate Selection Process"
- Hernández, Orlando; Knowles, Richard (United States): "Extensions of One-Dimensional Gray-Level Nonlinear Image Processing Filters to Three-Dimensional Color Space"
- MacPherson, Deborah L. (United States): "Web Services and Ontologies for Building Data"
- Shibuya, Takahiro; Ohwada, Hayato (Japan): "A Constraint-Based Route Search System for Smart Phone in Attraction Facilities"

- Vivanco, Jesús; Oropeza, Miguel; Montalvo, Miguel (Mexico): "SME Development Strategies Based on Financial Accounting, and Internationalization"
- Yoshida, Kouhei; Ohwada, Hayato (Japan): "Approach of Life Support-System Using Smart Phone"

**TUESDAY, MARCH 27, 2012**  
**10:20 AM - 12:20 PM**

**Inter-disciplinary Research, Education, and Communication II (IDREC)**  
**(Room: Florida Bay 2)**  
**Co-Chair: Wayne O'Brien (United States)**

- McGowan, Ryan (United States): "Fostering Cross-Disciplinary Innovation among Aerospace Engineers: The EXTROVERT Experiment "
- O'Brien, Wayne (United States): "Architecture and Service Development for Service Oriented Architectures (SOA)"
- Pantaleao, Fernanda Carla (Brazil): "Research Interdisciplinary Projects in Education Developed In Federal University of ABC in Brazil"
- Thompson, Laura (United States): "A Glance at Educational Governance"

**TUESDAY, MARCH 27, 2012**  
**10:20 AM - 12:20 PM**

**Educación y las Tecnologías de la Información (CICIC)**  
**(Room: Pensacola Bay)**  
**Co-Chair: Elena Fabiola Ruiz Ledesma (México); Luis A. Veloz (Venezuela)**

- Clunie B., Clifton E.; Robinson O., Lilliam N. (Panamá): "Utilización de Ontologías de Ingeniería del Software para la Evaluación de la Calidad en Entornos Virtuales de Aprendizaje"
- Mastachi Pérez, Marcela; Arciga Solorio, Irene; Méndez Casanova, Elba María (México): "Complejidad, Investigación y Uso de la Tecnología, una Experiencia Educativa Innovadora en la Facultad de Pedagogía UV Campus Poza Rica"
- Méndez Casanova, Elba M.; Silva Mar, Ma. de los Ángeles; Vera Pedroza, Alejandro (México): "Modelo Formativo para la Alfabetización Audiovisual"
- Ruiz Ledesma, Elena Fabiola; Carreto Arellano, Chadwick (México): "Uso de la Tecnología como Apoyo en el Aprendizaje de Cálculo"
- Vázquez Vincent, Marisol; Méndez Casanova, Elba M.; Alejandre Espinosa, Miriam (México): "Educación, Tics, y Complejidad"
- Veloz, Luis A.; García, Manuel A. (Venezuela): "“Sistema Tecno-Ecológico de Admisión” de la Facultad de Ciencias Económicas y Sociales de la Universidad de Carabobo"

**TUESDAY, MARCH 27, 2012**  
**1:30 PM - 3:30 PM**

**Plenary Conversational Panel on Case Studies and Methodologies**  
**(Room: Tampa Bay 3)**

The following schedule is suggested but it could change (especially the last two time slots) by the attendees participation:

1:30 PM – 1:45 PM	Panelist: Dr. Jill Pable (Florida State University, USA), <i>Five Research, Economic and Cultural Trends that Support Case Study Methodology Approaches</i>
1:45 PM – 2:00 PM	Panelist: Dr. Suzanne Horn (Queens University of Charlotte, USA), <i>How case study can be used in the professional development school setting?</i>
2:00 PM – 2:15 PM	Panelist: Professor T. Grandon Gill (University of South Florida, USA), <i>The Case Method</i>
2:15 PM – 2:45 PM	Questions and Answers
2:45 PM – 3:30 PM	Reflections and Informal Conversation regarding the importance of Case Studies and Methodologies in 1) Integral and Integrated Academic Activities, and 2) Inter-Disciplinary Research, Education, and Communication

**TUESDAY, MARCH 27, 2012**  
**3:30 PM - 4:00 PM**

**Coffee Break**  
**(Room: Tampa Bay Lobby)**

**TUESDAY, MARCH 27, 2012**  
**4:00 PM - 6:00 PM**

**Engineering Systems (ICEME)**  
**(Room: Florida Bay 2)**  
**Co-Chair: Weijiu Liu (United States); René Hosse (Germany)**

- Drgona, Peter; Frivaldsky, Michal; Spanik, Pavol; Sedo, Jozef; Kuchta, Jozef (Slovakia): "Real Time Analysis of Spectrum of Supply Current with Utilization of Full Digital System"
- Hidalgo, Ieda \*; Fontane, Darrell \*\*; Lopes, João Eduardo \*; Andrade, José Geraldo \* (\* Brazil, \*\* United States): "Adjusting the Efficiency Curves from Hydroelectric Plants"
- Hosse, René; Sikatzki, Sven; Schnieder, Eckehard; Bandelow, Nils (Germany): "Increasing Systems-Safety by Meliorating Policy-Processes under Conditions of Ambiguity. Analyzing Interdisciplinary Ascendancies of the German Traffic System by Using Cybernetic Hazard Analyzing Methodologies"
- Kumar, Sunand; Singh, Sarbjeet (India): "Analysis of Performance Parameters of Just in Time and Non- Just in Time Based Manufacturing Industries in India"
- Lechner, Jiří; Lodin, Michal (Czech Republic): "Experience from Using the HYNI Automated Hydrostatic Measuring System for Monitoring Movement at the 1000 MW Temelín Nuclear Power Station in the Czech Republic"
- Liu, Weijiu (United States): "Uniqueness of Optimal Finite Dimensional Flows for Mixing Enhancement"

**TUESDAY, MARCH 27, 2012**  
**4:00 PM - 6:00 PM**

**Education and Informatics II (ICETI)**  
**(Room: Florida Bay 3)**  
**Co-Chair: Marietjie Havenga (South Africa); Bruce A. Kibler (United States)**

- Annen, Silvia (Germany): "European Approaches to Recognition of Informal Learning – Potentials Regarding ICT-Components"
- Cechak, Jaroslav (Czech Republic): "Versatile Information System not Only for Blind Person"
- Havenga, Marietjie \*; Mentz, Elsa \*; Breed, Betty \*; Govender, Desmond \*; Govender, Irene \*; Dignum, Frank \*\*; Dignum, Virginia \*\* (\* South Africa, \*\* Netherlands): "A Case Study Regarding Teachers' Problem-Solving Activities and Approaches towards Computer Programming in Diverse Learning Environments"
- Hellstern, Gerd-Michael \*; Ozga, Joanna \*; Kibler, Bruce A. \*\* (\* Germany, \*\* United States): "Decision-Making in Virtual Teams - Developing Business Intelligence across Time, Culture and Space Using Serious Games"
- Matsunami, Noriyuki; Miura, Shinya; Tomoda, Saki; Nagai, Masahiro; Kiya, Hitoshi (Japan): "Improvement of Children's Logical Thinking by a Digital Pen System Environment"
- Nicholson, Scott (United States): "Completing the Experience: Debriefing in Experiential Educational Games"

**TUESDAY, MARCH 27, 2012**  
**4:00 PM - 6:00 PM**

**Case Studies and Methodologies II (IREPS)**  
**(Room: Biscayne Bay)**  
**Co-Chair: Burcu Ates (United States)**

- Ates, Ozgur \*; Ates, Burcu \*\* (\* Turkey, \*\* United States): "Impact of Case Study Method on an ESP Business Course"
- Bartolucci, Ernesto (Mexico): "Educational Ethnography. Exploring Writing Culture at High School"

- Fan, Hongli (United States): "Plagiarism: Perspectives from International and American Students"
- Kauppi, Carol; Pallard, Henri; Neegan, Wayne (Canada): "Into and out of Homelessness: Understanding Societal Constraints and Systemic Disadvantages through an Individual Case Study"

**TUESDAY, MARCH 27, 2012**  
**4:00 PM - 6:00 PM**

**Cybernetics and Complexity (IMCIC)**  
**(Room: Florida Bay 1)**

**Co-Chair: James A. Crowder (United States); Heidi M. Ravven (United States)**

- Bueno, Newton Paulo (Brazil): "Assessing Resilience of Complex Socio-Ecological Systems through Loop Dominance Analysis"
- Crowder, James A.; Friess, Shelli (United States): "Artificial Psychology: The Psychology of AI"
- Curatolo, Susana (United States): "Relationship between Complexity and Causal Invariance: The NEW Cybernetics Myth"
- Ravven, Heidi M. (United States): "The Self Beyond Itself: Further Reflection on Spinoza's Systems Theory of Ethics"

**TUESDAY, MARCH 27, 2012**  
**4:00 PM - 6:00 PM**

**Cibernética (Comunicación y Control) (CICIC)**  
**(Room: Pensacola Bay)**

**Co-Chair: O. Bolívar Toledo (España); José I. Vargas (Colombia)**

- Bolívar Toledo, O.; Luengo Merino, I.; Carreras Riudavets, Fco. J. (España): "Nuevas Perspectivas en Proceso Visual: Desde la Cibernética a la Complejidad"
- Dutra Moresi, Eduardo Amadeu; Santini Júnior, Nelson; Fragola, Rodrigo Jonas; Bassi, Marco César; Teixeira Alonso, José Eduardo (Brasil): "Defesa Cibernética: Um Estudo sobre a Proteção da Infra-Estrutura e o Software Seguro"
- Gómez Vargas, Ernesto; Obregón Neira, Nelson; Álvarez Pomar, Iaroslav (Colombia): "Métodos de Segmentación de Nubes en Imágenes Satelitales"
- Silva Morales, Karen Milena (Colombia): "Propuesta Metodológica para Realizar un Estudio Etnofitopatológico"
- Vargas, José I.; Montoya, Iván A. (Colombia): "Metodologías del Pensamiento Sistémico y su Uso en el Análisis de la Viabilidad de Organizaciones Rurales en Colombia"

## **WEDNESDAY, MARCH 28, 2012**

**WEDNESDAY, MARCH 28, 2012**  
**8:00 AM - 12:00 PM**

**Registration**  
**(Room: Tampa Bay 1)**

**WEDNESDAY, MARCH 28, 2012**  
**7:45 AM - 10:15 AM**

**General Joint Plenary Session** of all Collocated Events  
 (with plated breakfast)  
**(Room: Indian)**

8:00 AM – 8:45 AM

Keynote Speaker: Professor G. Thomas Fox (National Louis University, USA), *Addressing the unsolved through edGe-ucating, or Can IREPS sponsor democratic knowledge production?*

8:45 AM – 9:30 AM

Keynote Speaker: Professor Thomas Hilburn (Embry-Riddle Aeronautical University, USA), *Problem Solving through Case Studies*

9:30 AM – 10:15 AM

Keynote Speaker: Professor Tarek M. Hegazi (University of Waterloo, Canada),  
*Attitude-Based Negotiation for Resolving Complex Disputes*

**WEDNESDAY, MARCH 28, 2012**  
**10:20 AM - 12:20 PM**

**Education and Informatics III (ICETI)**  
**(Room: Florida Bay 1)**

**Co-Chair: Terry Miles (United States); Amos Olagunju (United States)**

- Alzahrani, Mohammed Ali R.; Aljuaid, Nada Mansour F.; Ibrahim, Suhaimi Bin (Malaysia): "The Electronic Portfolio: A Benefit to Quality Learning and Higher Education"
- Laiton Poveda, Ignacio (Colombia): "Development of Critical Thinking, Mediated by Problem Solving in Mechanical Physics, Partial Report"
- Miles, Terry (United States): "Large-Scale Adoption of Assessment Management Systems: Using the Diffusion of Innovations Theory to Plan Campaigns"
- Olagunju, Amos O.; Soenneker, Jake S. (United States): "A Framework for Soft Skills Training in Science and Engineering"
- Olagunju, Amos; Mokwe, Mary Delia; Anderson, Jeanne (United States): "Effective Electronic Performance System Training for Supporting the Clinical Activities of Physicians"
- Yukech, Christine (United States): ""Opening a Can of Worms" The Schools/ Math/Science/ 2-4 Year Colleges and the Job Market Are We Just `Fishing` for Solutions?"

**WEDNESDAY, MARCH 28, 2012**  
**10:20 AM - 12:20 PM**

**Informing and Teaching (IREPS)**  
**(Room: Florida Bay 3)**

**Co-Chair: Roman Yavich (Israel)**

- Álvarez Peña, Constantina \*; Neff, Fritz. J. \*\*; Moya Rodríguez, Jorge L. \*\*\*; Chagoyén Méndez, César A. \*\*\*; Machado Rodríguez, Ángel S. \*\*\* (\* Spain, \*\* Germany, \*\*\* Cuba): "Teaching Mechatronics Engineering a Challenge of the New Century"
- Domoshnitsky, Alexander; Yavich, Roman (Israel): "Mathematical Competitions for University Students"
- Inoue, Mikiko; Nishida, Yoshifumi; Kitamura, Koji; Deguchi, Kimiko; Joh, Hitoshi (Japan): "Childhood Injury Prevention through Community-Based Participatory Research -A Multidimensional Approach in the Love & Safety Omura Study in Nagasaki, Japan –"
- Intanam, Narongrith; Wongwanich, Suwimon (Thailand): "Instructional Status of Teachers at Community of Practice in Thai Education Reform Period: Perspectives and Recommendations from Case Study"
- Quinn, E. Moore (United States): "Computing Cultural and Linguistic Survival: A Case Study of Student Filmmaking in the Digital Age"

**WEDNESDAY, MARCH 28, 2012**  
**10:20 AM - 12:20 PM**

**Inter-disciplinary Research, Education, and Communication III**  
**(IDREC)**

**(Room: Florida Bay 2)**

**Co-Chair: Deborah MacPherson (United States)**

- Avrantes Baracho, Renata María; Porto, Marcelo Franco (Brazil): "Digital Prototyping – RoboCAP"
- MacPherson, Deborah (United States): "Facilities Data and Data Models"
- Porto, Marcelo; de Abreu, Joao Francisco; Porto, Renata (Brazil): "Model Interpretation of Topological Spatial Analysis for the Visually Impaired (Blind) Implemented in Google Maps"
- Tan, Tian Swee; Ting, Chee Ming; Chin, Wee Lip; Lau, Chee Yong; Salleh, Sh-Hussain (Malaysia): "Auto Segmentation for Malay Speech Corpus"

**WEDNESDAY, MARCH 28, 2012**  
**10:20 AM - 12:20 PM**

**Models and Modeling in Science and Engineering (DEMSET)**  
**(Room: Biscayne Bay)**  
**Co-Chair: Ryan McGowan (United States); Wayne O'Brien (United States)**

- Abdelnaby, Adel; Frankie, Thomas; Spencer, Billie; Elnashai, Amr S. (United States): "Numerical Hybrid Simulation Modeling Verification for a Curved 3-Pier Bridge (Investigation of Combined Actions on Reinforced Concrete Bridge Piers (CABER) Project)"
- Frivaldsky, Michal; Drgona, Peter; Spanik, Pavol; Glapa, Norbert (Slovakia): "Development of Thermal Simulation Model of Supercapacitor Module Targeting Optimal Requirement on Computational Time"
- Howie, Forrest; O'Brien, Wayne (United States): "Enterprise Adoption of Model Based Systems Engineering"
- Kimura, Aritoshi (Japan): "A Multi-Purpose Design Method for Flexible Mixed-Product Lines"
- McGowan, Ryan; Lozano, Rafael; Raghav, Vrishank; Komerath, Narayanan (United States): "Vertical Axis Micro Wind Turbine Design for Low Tip Speed Ratios"
- Sriram, M.; Sarma, Swagat; Selvajothi, K. (India): "Feedback System for Electric Trimmer"

**WEDNESDAY, MARCH 28, 2012**  
**10:20 AM - 12:20 PM**

**Informática (CICIC)**  
**(Room: Pensacola Bay)**  
**Co-Chair: José Manuel Valencia (México); Oscar E. Guerrero (México)**

- Alaniz, Jorge; Valencia, José Manuel; Castillo, Cristián; Castañeda, Bereniz; Serrano, Arturo (México): "Monitoreo de Frecuencia Cardiaca a través de Dispositivos Móviles"
- Castillo, Cristián; Valencia, José; Alaniz, Jorge; Castañeda, Bereniz; Serrano, Arturo; Osorio, Ricardo (México): "Interacción de Especialistas en Pediatría bajo el Modelo de Entorno Colaborativo Móvil"
- Espinel Ortega, Álvaro \*; Martín García, Víctor \*\*; Vega Escobar, Adriana Marcela \* (\* Colombia, \*\* España): "Diseño de un Sistema para la Vigilancia Tecnológica de Aplicación Múltiple, con el Fin de Medir la Brecha Tecnológica en las Empresas Colombianas"
- Guerrero, Oscar E.; Rosas, Gonzalo; Monterrosas, Alfonso; Ceja, José R. (México): "Alcance de la Producción Porcina con base en las Tecnologías de la Información"
- Jiménez-Hernández, Eréndira M.; Orantes-Jiménez, Sandra D. (México): "Metodología Híbrida para Desarrollo de Software en México"

**WEDNESDAY, MARCH 28, 2012**  
**1:30 PM - 3:30 PM**

**Plenary Conversational Session**  
**(Room: Tampa Bay 3)**

1:30 PM – 1:45 PM

Professor Andrés Tremante (Florida International University, USA; and former President of FUNINDES, Fundación de Investigación y Desarrollo, Venezuela) will make a short presentation of the Special Case of the Foundation of Research and Development of the Simón Bolívar University (FUNINDES, Venezuela) which was created to integrate academic activities for solving real life problems; which often required Inter-disciplinary Research and Development.

1:45 PM – 2:00 PM

Professor T. Grandon Gill (University of South Florida, USA), will make an introductory presentation relating about Case Studies and Methodologies and Integration of Academic Activities with Inter-disciplinary Communication which will prompt and facilitate informal reflections on this important issue from the attendees.

2:00 PM – 2:15 PM

Questions and Answers

2:15 PM – 3:30 PM

Reflections and Informal Conversation regarding the importance of Case Studies and Methodologies in 1) Integral and Integrated Academic Activities, and 2) Inter-Disciplinary Research, Education, and Communication



**WEDNESDAY, MARCH 28, 2012**  
**3:30 PM - 4:00 PM**

**Coffee Break**  
**(Room: Tampa Bay Lobby)**

**WEDNESDAY, MARCH 28, 2012**  
**4:00 PM - 6:00 PM**

**Relationships between Research and Teaching (IREPS)**  
**(Room: Florida Bay 2)**  
**Co-Chair: G. Thomas Fox (United States); Pillalamarri Ila (United States)**

- Bousquet, Bruno (France): "MILMI – An International Collaborative Program on Teaching and Research in Photonics"
- Caetano de Souza, Claudinei; Gomes da Costa, Gislaine; Faustino da Silva, Marilia; Beltramini, Leila Maria; Segnini Bossolan, Nelma Regina (Brazil): "Interactive media on Chagas Disease: Development and Content"
- Fox, G. Thomas (United States): "Engaging All Citizens in Research and Problem Solving through EdGe-Ucating"
- Gomes da Costa, Gislaine; Mara Martins, Julia; Caetano de Souza, Claudinei; Segnini Bossolan, Nelma Regina; Beltramini, Leila Maria (Brazil): "Development and Content of an Interactive Media on Malaria"
- Ila, Pillalamarri (United States): "Integration of Interdisciplinary Scientific Research Exposure through Informal Science Education with Open Course Ware"
- Rodrigues da Silva, Aparecido; Bossolan, Nelma R. S.; Beltramini, Leila María (Brazil): "Development of Models Pieces to Represent Amino Acid and to Building Protein Structures: Evaluation by Graduation Students and Teachers from Public Schools of São Paulo State"

**WEDNESDAY, MARCH 28, 2012**  
**4:00 PM - 6:00 PM**

**Case Studies and Methodologies III (IREPS)**  
**(Room: Biscayne Bay)**  
**Co-Chair: Jill Pable (United States); Jorge Bartolucci (Mexico)**

- Bartolucci, Jorge (Mexico): "Developing Science in a Developing Country. From Early Astronomy of Position to Modern Astrophysics in Mexico"
- Bishop, Carlee A.; McDermott, Thomas (United States): "Case Studies in Systems Engineering – Central to the Success of Applied Systems Engineering Education Programs"
- Camacho Vázquez, V. A.; Orantes Jiménez, S. D. (Mexico): "Mexican Standards for Certification of Software Development Processes"
- Hilburn, Thomas B.; Towhidnejad, Massood; Salamah, Salamah (United States): "A Life-Cycle Engineering Case Study"
- Pable, Jill (United States): "Research on the Homeless Population: The Particular Utility of Case Study Methodology"

**WEDNESDAY, MARCH 28, 2012**  
**4:00 PM - 6:00 PM**

**Informatics (IMCIC)**  
**(Room: Florida Bay 1)**  
**Co-Chair: Rustem Seifuol-Mulukov (Russian Federation); Roozbeh Rashedi (Canada)**

- Alhayan, Khalid N. (United States): "Cloud Computing: Better Ways to Control its Services"
- Doong, Shing H. (Taiwan): "Sequential Decision Making Predictions under the Influence of Observational Learning"
- Hegazy, Tarek; Rashedi, Roozbeh (Canada): "GA + Segmentation for Large-Scale Asset Renewal Optimization"
- Hegazy, Tarek; Rashedi, Roozbeh; Ali, Abdelbaset (Canada): "Heuristic Approach for Fund Allocation in Complex Rehabilitation Programs"
- Kumar, Pavan; Ghosh, Sanjoy (India): "Modelling of Bioprocess for Streptokinase Production Using Mechanistic

and Neural Network Approaches"

- Seifuol-Mulukov, Rustem \*; Hlava, Marjorie M. K. \*\* (\* Russian Federation, \*\* United States): "The Nature of Information as a Fundamental Property of Matter: A Case Study Using Petroleum and Hydrocarbon Gases"

**WEDNESDAY, MARCH 28, 2012**

**4:00 PM - 6:00 PM**

**Aplicaciones de Informática y Cibernética en la Sociedad (CICIC)**

**(Room: Pensacola Bay)**

**Co-Chair: Jorge Monteiro Fernandes (Brasil); Oscar B. Reyes Real (México)**

- Guevara Pérez, Miguel Ángel; Hernández González, Marisela; Rizo Martínez, Lucía Ester; Robles Aguirre, Francisco Abelardo (México): "Evaluación de Funciones Ejecutivas: La Planeación, mediante HanoiPC3"
- Mohr Bäuml, Deisy (Brasil): "Inclusión de Personas con Discapacidad en los Sistemas Familiares - Educativos - Laborales - Sociales"
- Monteiro Fernandes, Jorge (Brasil): "De Santos Dumont ao Século XXI - O Brasil perdeu a Capacidade de Inovar e Gerar Riqueza?"
- Reyes Real, Oscar B.; Deniz Guizar, Aurelio; Sosa Rodríguez, Jesús O. (México): "El Comercio Electrónico y su Impacto en las Agencias Aduanales que Operan en el Puerto de Manzanillo en México"
- Torres Rengifo, Saulo de Jesús \*; Rodríguez Baena, Luis \*\*; Meneses Escobar, Carlos Augusto \* (\* Colombia, \*\* España): "Un Portal con Competencias para Mejorar la Accesibilidad Web de las Personas con Discapacidad en Colombia"

**WEDNESDAY, MARCH 28, 2012**

**7:00 PM - 8:30 PM**

**Awards Ceremony and Toast**

**(Room: Indian)**

*(Award Certificates will only be delivered at the Awards Ceremony. No exceptions will be made under any circumstances)*

## IMCIC / ICSIT / CICIC 2012

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Author	Schedule	Room
Bouayad, Layinah	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 1
Bousquet, Bruno	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Breed, Betty	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Browne, Sara	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Buday, Jozef	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Bueno, Newton Paulo	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 1
Buettner Jr., Raymond R.	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Caetano de Souza, Claudinei	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Camacho Vázquez, V. A.	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Carreras Riudavets, Fco. J.	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Carreto Arellano, Chadwick	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Castañeda, Bereniz	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Castillo, Cristián	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Cechak, Jaroslav	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Ceja, José R.	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Chagoyén Méndez, César A.	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Chen, Andrew	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Chen, Jong-Rong	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Chiang, Emily C.	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Chiang, Emily C.	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Chin, Wee Lip	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Chung, G.	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Claustro, Erica	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Clunie B., Clifton E.	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Compton, Cynthia	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Biscayne Bay

Author	Schedule	Room
Crowder, James A.	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 1
Cruz, Camille	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Curatolo, Susana	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 1
Dang, Duy P. T.	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 3
de Abreu, Joao Francisco	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Deguchi, Kimiko	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Deniz Guizar, Aurelio	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Dias, Márcio Teodoro	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Dignum, Frank	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Dignum, Virginia	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Domoshnitsky, Alexander	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Doong, Shing H.	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Florida Bay 1
Drgona, Peter	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Drgona, Peter	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Drgona, Peter	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Dutra Moresi, Eduardo Amadeu	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Eckkrammer, Florian	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Elnashai, Amr S.	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Espinel Ortega, Álvaro	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Etheridge, Kimberly	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Éthier, Jean	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Faljoni-Alario, Adelaide	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Fan, Hongli	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Faustino da Silva, Marilia	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Ferencz, Árpád	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Flórez Fernández, Héctor A.	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 1

Author	Schedule	Room
Fontane, Darrell	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Fox, G. Thomas	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Fragola, Rodrigo Jonas	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Frankie, Thomas	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Friess, Shelli	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 1
Frivaldsky, Michal	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Frivaldsky, Michal	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Frivaldsky, Michal	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Gair, Grace A.	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 3
García, Manuel A.	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Pensacola Bay
García, Richard	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Garcia, Rosa	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 2
García-Rada, Ximena	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Ghosh, Sanjoy	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Florida Bay 1
Giraldo García, Jaime Alberto	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Glapa, Norbert	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Gleiser, Samantha	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Gollner, Helmut	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Gomes da Costa, Gislaïne	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Gómez Barreto, Paola A.	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Gómez Vargas, Ernesto	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Govender, Desmond	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Govender, Irene	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Granzer, Wolfgang	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Guerrero, Cindy E.	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Guerrero, Oscar E.	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Guevara Pérez, Miguel Ángel	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Pensacola Bay

Author	Schedule	Room
Guhr, Daniel J.	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Haas, Jacquelyn	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Hanshaw, Shirley	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Havenga, Marietjie	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Hegazy, Tarek	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Florida Bay 1
Hellstern, Gerd- Michael	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Hernández González, Marisela	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Hernández, Orlando	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Hesson, Mihyar	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Hidalgo, Ieda	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Hilburn, Thomas B.	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Himmler, Christian	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Hlava, Marjorie M. K.	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Florida Bay 1
Holweg, Gerd	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Horn, Suzanne	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Hosse, René	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Howie, Forrest	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Huang, Hsin- Chou	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Huerta, E. Lucia	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Hurtuk, Peter	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Hutchings, Stuart	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Ibrahim, Suhaimi Bin	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Ickis, John C.	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Ila, Pillalamarri	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Inoue, Mikiko	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Intanam, Narongrith	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Jiménez- Hernández, Eréndira M.	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Pensacola Bay

Author	Schedule	Room
Joh, Hitoshi	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Kaufmann, Christian	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Kauppi, Carol	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Kebede, T.	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Kibler, Bruce A.	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Kim, Hyeoneui	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Kimura, Aritoshi	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Kitamura, Koji	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Kiya, Hitoshi	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Knowles, Richard	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Komerath, Narayanan	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Kouatli, Issam	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 1
Kovacevic, Goran	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 1
Kuchta, Jozef	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Kumar, Pavan	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Florida Bay 1
Kumar, Sunand	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 2
La Manna, Mario	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Laiton Poveda, Ignacio	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Lara Gracia, Marco A.	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Larose, Réal	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Lau, Chee Yong	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Leblanc, Manon	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Lechner, Jiří	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 2
LeClere, Felicia	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Lévai, Péter	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Lin, Yao Chin	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Liu, Weijiu	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Lodin, Michal	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 2

Author	Schedule	Room
Lopes, João Eduardo	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Lozano, Rafael	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Lu, Tu H.	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Luengo Merino, I.	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Luft, Matthias	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Machado Rodríguez, Ángel S.	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 3
MacPherson, Deborah	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 2
MacPherson, Deborah L.	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Mara Martins, Julia	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Marino, Tiago	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Martín García, Víctor	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Mastachi Pérez, Marcela	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Matsunami, Noriyuki	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 3
McDermott, Thomas	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Biscayne Bay
McGowan, Ryan	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Biscayne Bay
McGowan, Ryan	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Meltzer, Eli	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Méndez Casanova, Elba M.	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Méndez Casanova, Elba María	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Meneses Escobar, Carlos Augusto	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Mense, Alexander	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Mentz, Elsa	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Mercier, Julien	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Miles, Terry	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Mitrovic, Frane	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 1
Miura, Shinya	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 3

Author	Schedule	Room
Mohr Bäuml, Deisy	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Mokwe, Mary Delia	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Montalvo, Miguel	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Monteiro Fernandes, Jorge	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Monterrosas, Alfonso	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Montoya, Iván A.	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Moraes, Altino José Mentzingen de	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Moya Rodríguez, Jorge L.	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Nagai, Masahiro	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Neegan, Wayne	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Neff, Fritz. J.	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Nicholson, Scott	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Nishida, Yoshifumi	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Nkhoma, Mathews Z.	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Nótári, Márta	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Núñez Gálvez, Cristina	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 3
O'Brien, Wayne	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Obregón Neira, Nelson	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Pensacola Bay
O'Brien, Wayne	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Ohwada, Hayato	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Ohwada, Hayato	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Olagunju, Amos	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Olagunju, Amos O.	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Oliveira, Elvira Fernandes de Araújo	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 2

Author	Schedule	Room
Oliveira, Patricia Whebber Souza de	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Orantes Jiménez, S. D.	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Orantes-Jiménez, Sandra D.	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Oropeza, Miguel	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Osorio, Ricardo	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Ozga, Joanna	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Pable, Jill	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Pallard, Henri	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Pantaleao, Fernanda Carla	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Pantaleao, Fernanda Carla	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Pellerin, Geneviève	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Pérez, José D.	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Pierre, C.	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Porto, Marcelo	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Porto, Marcelo Franco	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Porto, Marcelo Franco	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Porto, Renata	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Prado, Andrea M.	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Praus, Friedrich	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Quinn, E. Moore	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Radvan, Roman	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Raghav, Vrishank	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Rashedi, Roozbeh	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Florida Bay 1
Ravven, Heidi M.	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 1
René de Cotret, Sophie	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Reyes Real, Oscar B.	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Pensacola Bay

Author	Schedule	Room
Rizo Martínez, Lucía Ester	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Robinson O., Lilliam N.	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Robles Aguirre, Francisco Abelardo	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Rodrigues da Silva, Aparecido	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Rodríguez Baena, Luis	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Rogner, Wolf	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Rosas, Gonzalo	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Ruiz Ledesma, Elena Fabiola	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Ruiz, Elena F.	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Salamah, Salamah	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Salatian, Apkar	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Salleh, Sh-Hussain	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Santini Júnior, Nelson	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Sarma, Swagat	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Schnieder, Eckehard	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Schooley, Robert T.	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Sedo, Jozef	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Segnini Bossolan, Nelma Regina	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Seifuol-Mulukov, Rustem	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Florida Bay 1
Selvajyothi, K.	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Semaka, Mohammed	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Serrano, Arturo	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Shibuya, Takahiro	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Sikatki, Sven	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Silva Mar, Ma. de los Ángeles	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Pensacola Bay

Author	Schedule	Room
Silva Morales, Karen Milena	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Singh, Sarbjeet	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Slobodian, Roman	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Soenneker, Jake S.	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Sosa Rodríguez, Jesús O.	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Spanik, Pavol	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Spanik, Pavol	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Spanik, Pavol	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Spencer, Billie	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Sriram, M.	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Steklács, János	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Su, Xing	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Biscayne Bay
Sumic, Dean	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 1
Szabó, Ildikó	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Szinger, Veronika	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Tan, Tian Swee	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Teixeira Alonso, José Eduardo	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Thompson, Laura	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Ting, Chee Ming	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Tomoda, Saki	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Torres Rengifo, Saulo de Jesús	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Towhidnejad, Massood	Wednesday, Mar. 28, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Tsai, Ping Heng	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Biscayne Bay
Tzacheva, Angelina A.	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 1
Valencia, José	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Valencia, José Manuel	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Van Eeden, Elize S.	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Biscayne Bay

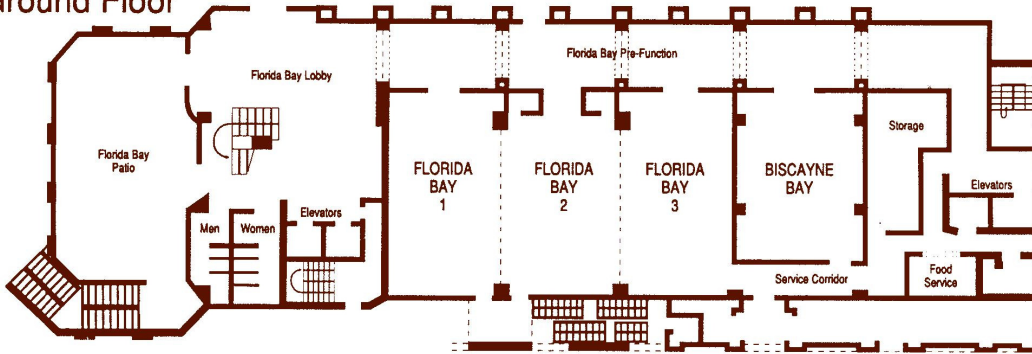


<b>Author</b>	<b>Schedule</b>	<b>Room</b>
Vangampller, Joseph	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Vargas, José I.	Tuesday, Mar. 27, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Vasilache, Simona	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Vásquez, Leonardo D.	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Pensacola Bay
Vázquez Vincent, Marisol	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Vega Escobar, Adriana Marcela	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Veloz, Luis A.	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Vera Pedroza, Alejandro	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Pensacola Bay
Vieira de Almeida, Renato	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Vivanco, Jesús	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Wahl, Harald	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 3
Wang, Q.	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Waters, David J.	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Waters, David J.	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Wongwanich, Suwimon	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Xavier-da-Silva, Jorge	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Yamada, Hiroyuki	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 2
Yavich, Roman	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 3
Yoshida, Kouhei	Tuesday, Mar. 27, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Yukech, Christine	Wednesday, Mar. 28, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Zaaiman, Jannie	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 2
Zhang, W.	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Zhao, M. H.	Monday, Mar. 26, 2012 10:20 AM - 12:20 PM	Florida Bay 1
Zykov, Sergey V.	Monday, Mar. 26, 2012 4:00 PM - 6:00 PM	Florida Bay 1

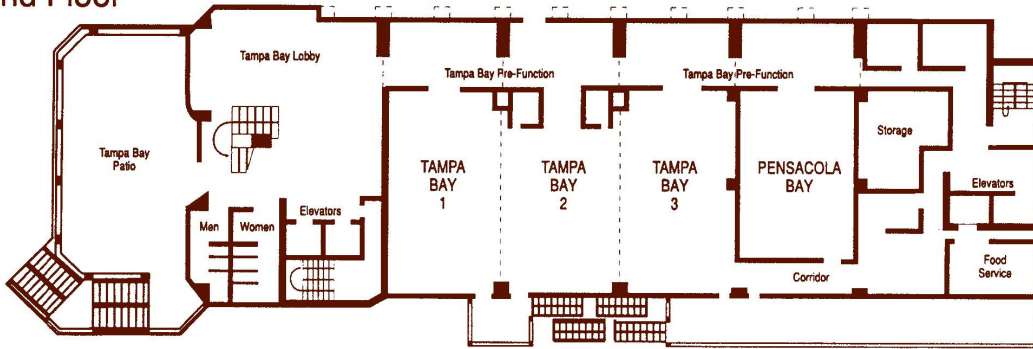


## DOUBLETREE BY HILTON ORLANDO AT SEAWORLD TOWER CONFERENCE CENTER

### Ground Floor



### 2nd Floor



## DOUBLETREE BY HILTON ORLANDO AT SEAWORLD OCEANS CONFERENCE CENTER

