



32nd APAMS Program in Houston, Texas

May 4-5, 2012

Main Sponsor: University of Houston

www.paase.org

May 4, Friday

Location is at UH Hilton Hotel: The Plaza Room

AM

8:00 Continental Breakfast served (outside) and Registration

9:00 Welcome Remarks from Provost and Introduction

9:20 Introduction of Plenary Speaker by PAASE President

9:30 Plenary Talk: Dado Banatao (Tallwood Venture Capital)

10:10 Question and Answer

10: 25 Presentation of Honorary Membership in PAASE to Dado Banatao

10:30 Fire side chat: Foundation, University, and Government Initiatives in STEM Disciplines (Dado Banatao, Sheila Marcelo, Winston Damarillo, including Gisela Concepcion, Malou Orijola)

11:30 PAASE Forum on accelerating Ph.D. Education through International Programs and Tie-ups: A University of Houston model (John Bear, Jerry Strickland, Arnold Guloy, and Rigoberto Advincula)

12:30 **Lunch (Shemrock room)**

PM

2:00 **Oral Presentations**

Track 1(Liza Virata-Theimer)

Track 2 (Mel Gomez)

2:00 de Lumen, Ben

Cardenas, Bayani

2:30 Briggs, Jim

Olaguer, Jay

3:00 Concepcion, Gisela

Boeis, Mark

3:30 Aga, Diane

Tolosa, Leah

4:00 Daquinag, Alex

Pernites, Roderick

4:30 Virata-Theimer, Liza

Gomez, Mel

5:00 End of DAY Program

6:00 Reception by the University of Houston at the UH Alumni Center (Dr. Jerry Strickland, Welcome)

8:00 End of Evening Reception

May 5, Saturday

Location is at Hilton Hotel: The Plaza Room

Shemrock Room for posters, May 5, morning set-up for Posters before 9:00 AM

AM

8:00 Continental Breakfast and Registration

9:00 Opening and Introduction of Plenary Speaker (Arnold Guloy)

9:05 Plenary by Dr. Roth Bose (VP for Research University of Houston)

9:50 Question and Answer

10:00 PAASE Forum on Research Initiatives and Funding Opportunities (Roth Bose, Lino Blanche, Pedro Jose, Rigoberto Advincula)

11:00 **Oral Presentations**

Track 1(Lino Blanche)

Track 2 (Manny Soriaga)

11:00 Padilla, Philip

Advincula, Rigoberto

11:30 Ibaña, Joyce

Samia, Anna

12:00 Concepcion, Gisela

Soriaga, Manny

12:30 **Lunch and Poster session (Shemrock Room): Posters will be presented and judged at this time.**

PM

3:00 **Oral Presentations**

Track 1(Lino Blanche)

Track 2 (Manny Soriaga)

3:00 Cardenas, Bayani

Rodrigues, Debora

3:30 Tecarro, Ed

Ramos, Roberto

4:00 Cua-Christman, Florence

Medina, Marjorie

4:20 Invited Speaker: Ed Quitevis (Texas Tech University - Introduction by Manny Soriaga)

5:00 Awarding for Best Poster Awards and Closing Remarks by the Dean of NSM (Dr. Mark Smith)

Sunday May 6, Houston tour on your own

Presentations by Alphabetical Listing

(Posters will be presented on May 5th, Saturday set-up at Shemrock Room before 9 AM)

LAST NAME	FIRST NAME	ABSTRACT TITLE	AFFILIATION	ORAL/POSTER
Aga	Diane	Occurrence of Brominated Flame Retardants in Fish and Air Samples from the Philippines	The State University of New York	Oral
Advincula	Rigoberto	Hybrid-Nanoparticles and Dendrimers	Case Western Reserve University	Oral
Boies	Mark	High Performance Space Science using Cost Efficient Sensors	Research Support Instruments	Oral
Briggs	James	Computational Metabolomics	University of Houston	Oral/Poster
Bunha	Ajay	Simplifying Entangled Polymer Synthesis	University of Houston	Poster
Canlas	Gino	Rhodium-Catalyzed [4+2+2] Cycloaddition Reactions for the Synthesis of Eight-Membered Ring Compounds	University of Houston	Poster
Cao	Pengfei	Catenated Polymer via Supramolecularly Templated Catenane Initiator and Kinetically	University of Houston	Poster

Controlled Ring Expansion Strategy

Cardenas	M. Bayani	Groundwater flow to coastal areas causing marine pollution: examples from the Philippines and the Cook Islands	The University of Texas at Austin	Oral
Cardenas	M. Bayani	Discovery of a new type of hot spring ('terrestrial smokers') in the crater lake of Taal Volcano	The University of Texas at Austin	Oral/Poster
Conato	Marlon	Control of Nucleation and Crystal Growth Kinetics of MOF-5 on Functionalized Gold Surfaces	University of Houston	Poster
Concepcion	Gisela	Anticancer bis-tetrahydroisoquinolines from a Philippine sponge <i>Xestospongia</i> sp.	University of the Philippines-Diliman	Oral
Concepcion	Gisela	Crassispirid and turrid peptides and gene superfamilies: a new snail venom resource for neuropharmacology	University of the Philippines-Diliman	Oral
Cua-Christman	Florence	Science, Technology, Engineering and Mathematics (STEM)		Oral
Daquinag	Alexes	Identifying a Novel Receptor on the Surface of Adipose Progenitor Cells	University of Texas Health Science Center	Oral

de Leon	Al Christopher	Superhydrophobic conjugated polymer network film as effective anti-corrosion coating	University of Houston	Poster
de Lumen	Ben	Complementary Roles in Cancer Prevention: Lunasin is the Bioactive Component in the Cancer Preventive Substance BBIC (Bowman-Birk Inhibitor Concentrate, BBIC)	University of California at Berkeley	Oral
Foster	Edward	Patterned Polymer Brushes via Electrodeposited ATRP, ROMP, and RAFT Initiators on Colloidal Template Arrays	University of Houston	Poster
Gomez	R.D. Mel	VISSER – A Collaborative Effort to Enhance Science Laboratories in the Philippines	University of Maryland	Oral
Ibana	Joyce	Inhibition of IDO1 activity by levo-1-methyl tryptophan blocks IFN γ -induced <i>Chlamydia trachomatis</i> persistence in human epithelial cells	Louisiana State University	Oral
Lirag	Rio Carlo	Self-Sorting in Synthetic Dynamic Systems: Imines, Acetals and Nitrones	University of Houston	Poster
Medina	Marjorie	Development of a Novel Fast Blue BB Method for Quantitative Measurement of Total Phenolics in Foods	U.S. Department of Agriculture	Oral

Mongcopa	Katrina Irene	Novel Poly(<i>p</i> -phenylene ethynylene) with Carbazole Side Groups as Charge Transport Layer in Electronic Devices	University of Houston	Poster
Musico	Yvonne	Pb ²⁺ removal capacity of poly- <i>N</i> -vinyl carbazole - graphene oxide (PVK-GO) nanocomposite membrane filter at various conditions	University of Houston	Poster
Nadres	Enrico	Palladium-Catalyzed C–H Functionalizations of Hetrocycles and Amines	University of Houston	Poster
Olaguer	Jay	New Air Quality Monitoring and Modeling Tools for Sustainability and Green Manufacturing		Oral
Padilla	Philip	Bacteriological survey of the Iloilo River: 2008-2010	University of the Philippines-Visayas	Oral
Padilla	Philip	Characteristics of bacterial isolates from 'whitening thallus' of <i>Gracilaria heteroclada</i>	University of the Philippines-Visayas	Poster
Pangilinan	Katrina	SWNT/Brush Hybrid Films via Combined Layer-by-Layer and Surface-Initiated Polymerization Approach	University of Houston	Poster
Penalber	Chariz		University of Houston	Oral/Poster
Pernites	Roderick	Advanced and Multi-Functional	Rice University/ University	Oral

		Electropolymerized Surface Coatings	of Houston	
Quitevis	Edward	Understanding the Role of Nanostructural Organization in the Intermolecular Dynamics of Ionic Liquids Using Optical Kerr Effect Spectroscopy	Texas Tech University	Oral
Ramos	Roberto	Engineering Macroscopic Quantum Mechanics Beyond the Mesoscale	Indiana Wesleyan University	Oral
Ramos	Roberto	Using the iPad as a Virtual Oscilloscope and Video Motion Analyses Tool for the Undergraduate Physics Laboratory	Indiana Wesleyan University	Poster
Rodrigues	Debora	Applications of graphene oxide nanomaterials on surfaces	University of Houston	Oral
Samia	Anna	Magnetic Hybrid Materials for Imaging and Sensor Applications	Case Western Reserve University	Oral
Santos	Catherine	Fabrication and antibacterial applications of carbon nanomaterial containing polymer based nanocomposites: PVK-GO, PVK-SWNT	University of Houston	Poster
See	Sean	Synthesis and Characterization of Ln_5RuGe_2 (Ln = La, Ce, Pr, Nd)	University of Houston	Poster

Soriaga	Manuel	Computational Surface Science: Simulation of the Physical, Chemical and Structural Properties of Chemisorbed Molecules by Density Functional Theory	Texas A&M University	Oral
Tecarro	Edwin	Experiences in Interdisciplinary Biology and Mathematical Research	University of Houston-Downtown	Oral
Tolosa	Leah	Hypoglycemic Potential Screening of Ten Philippine Medicinal Plants using Conventional Glucose-Sensing Meter (GSM)	University of Maryland Baltimore County	Oral
Virata-Theimer	Maria Luisa	Designing a Structure-based Hepatitis C Virus Vaccine: Learning from the HIV Vaccine Development Experience	US Food and Drug Administration, Center for Biologics Evaluation and Research	Oral
Yago	Allan	Quartz Crystal Microbalance Detection of Organoleptic Contaminant 2, 4, 6-Trichloroanisole using Electropolymerized Molecularly Imprinted Polythiophene	University of Houston/ University of the Philippines	Poster
Yu	Dindi	Molecular Imaging with Atomic Magnetometry	University of Houston	Poster