

Schedule of Parallel Sessions

Venue: Y407

Moderators: Dr. Joseph Auresenia / Dr. Josephine Borja / Ms. Mary Ann Adajar

Theme	Time (P.M.)	Title	Author/s
	1:00 – 1:20	Adsorption Capacity of Kenaf Fibers (<i>Hibiscus cannabinus L.</i>) in Aqueous Lead Solution	<i>Katrina Go, Rominick Lee, Jan Benedict Yap, Florinda Bacani</i>
	1:20 – 1:40	Hydrotalcite Formation and Arsenic Immobilization during the Hydration of Coal Fly Ash mixed with MgO	<i>Einstine M. Opiso Xiaoji Liu, Tsutomu Sato</i>

1:40 –
2:00 A Survey of Indoor Air Quality

Schedule of Parallel Sessions

Venue: Y408

Moderators: Mr. Roberto Caguingin / Mr. Miguel Gutierrez

Theme	Time	Title	Author/s
Information Technology	1:00 – 1:20	A Distributed Manufacturing Approach On the Application of the Manufacturing Execution System	<i>Arthur Brian Chua, Ronaldo V. Polancos</i>
	1:20 – 1:40	Development of Software Tool for Generation of Bill of Materials and Estimated Cost of a Telephone Wiring Design for Commercial Buildings	<i>Christian Jeffrey D. Chavez, Christian Ted F. Dogino, Bryan P. Gonzaga, Joseph Conrad T. Lantican, Ann E. Dulay</i>
	1:40 – 2:00	A Non-Contact Eye Infrared Thermal Imaging Sensor Device	<i>Christian Cruz, Marvin Cruz, Calvin Feliciano, David Ong, Lysander Ong, M. SET3193T BDC TT2If0 2.5Tc -.0mLy</i>

Schedule of Parallel Sessions

Venue: Y409

Moderators : Ms. Louise Custodio / Ms. Joanne Cassanova

Theme	Time	Title	Author/s
Education	1:00 – 1:20	Teaching Research Ethics to Undergraduate Chemical Engineers: A Transformative Approach	<i>Luis F. Razon</i>
	1:20 – 1:40	How Do Education Students Learn Physics?	<i>Voltaire Mallari Mistades</i>
	1:40 – 2:00	Development and Validation of a Concept Test in Introductory Physics for Biology	<i>Marie Paz E. Morales</i>
	2:00 – 2:20	Students' Understanding of Forces: Similarities and Differences among Sixth Graders and Senior High Students	<i>May Ronda, Lydia Roleda</i>
	2:20 – 2:40	Aiding Students' Problem Solving Development in Physics through a Learning Module	<i>Anne Sangalang, Katherine Munda</i>
	2:40 – 3:00	Examining Conceptions and Attitude towards Climate Change	<i>Charles Vincent P. Obdianela</i>
	3:00 – 3:20	High School Chemistry Experiments: The Green Chemistry and Filipino Approach	<i>Ronald Santos, Armando Guidote, Jr., Auxencia Limjap</i>
	3:20 – 3:40	Exploring Students' Alternative Conceptions on Genetics	<i>Ana Michelle Ricalde, Maricar Prudente</i>
	3:40 - 4:00	A Metacognitive Approach to Students' Preconceptions Concerning Solving Linear Equations in One Variable	<i>Esmeralda S. Bunag, Auxencia Limjap</i>
	4:00 – 4:20	Developing Students' Skills and Attitudes towards Algebraic Expressions using Term Tiles: A Case Study	<i>Marvin Jordan D. Koa, Shera Marie Pausang</i>
	4:20 – 4:40	Use of Manipulatives to Develop Second Year High School Students' Understanding of Equality and Linear Equations	<i>Melanie Rivera, Mary Grace Sinfuego, Adrian Paul Tudayan</i>
	4:40 – 5:00	An overview of the Design, Implementation and Evaluation of UbD Learning Plans in Elementary Algebra in Selected Diocesan Schools in Zambales and Bataan	<i>SIGS BATCH 3, Minie Rose C. Lapinid, Auxencia A. Limjap</i>

Schedule of Parallel Sessions

Venue: Y507

Moderators: Dr. Anthony Lee / Dr. Jose Tristan Reyes

Theme	Time	Title	Author/s
1 : 2 0	1:00 – 1:20		

Schedule of Parallel Sessions

Venue: 508

Moderators : Dr. Gil Nonato Santos / Dr. Eric Punzalan

Theme	Time	Title	Author/s
Materials	1:00 – 1:20	Quantum Dynamics Study on the Incident Angle Dependence of H ₂ Dissociative Adsorption on Defective Pt(III) Surface	<i>Michelle Natividad, Nelson Arboleda Jr., Hideaki Kasai</i>
	1:20 – 1:40	Synthesis of a Pyrazinamide Analog of Salicylic Acid	<i>Glenn Alea, Faith Marie G. Lagua, Michael Dominic M. Ajero</i>
	1:40 – 2:00	The Effect of Dwell Time in the Fabrication of Gallium Nitride Nanomaterials	<i>N. Alcantara, R. R. Anciado, G. Castillon, A. Ladines, R. de los Reyes, G. N. C. Santos, R. V. Quiroga</i>
	2:00 – 2:20	Fabrication and Characterization of Yttria-Stabilized Zirconia	<i>Rose Ann Tegio, Shirley Tiong Palisoc, Michelle Natividad, Simon Gerard Mendiola</i>
	2:20 – 2:40	Synthesis of TiO ₂ Nanomaterials by Modified Horizontal Vapor Phase Growth Technique	<i>Abel Ole P. M. B. Abrasaldo, G. Castillon, A. Ladines, R. de los Reyes, G. N. C. Santos, R. V. Quiroga</i>
	2:40 – 3:00	Characterization of Silver Nanomaterials, Synthesized by the Horizontal Vapor Phase Crystal Growth Technique, for Antimicrobial Purposes	<i>Wilfred Espulgar, Gil Santos, Reuben Quiroga</i>

Schedule of Parallel Sessions**Venue: Y509**

Theme	Time	Title	Author/s
	1:00 – 1:20	Assessing Information Technology Adoption in Philippine SMEs: Validating the Applicability of the Technology Adoption Model (TAM) for Selected SMEs	<i>Sherwin Ona, Ma. Theresa Cristobal</i>
	1:20 – 1:40	Community Based Disaster Management for Buklod Tao Inc: Capturing Indigenous Knowledge for Community Based Management Capacity	<i>Christine Mae Tavera, Janine Vincente Casa, Dennis Dominic Diego, Quino James Legaspi</i>
	1:40 – 2:00	Online Collaboration in e-Participation	<i>Estefanie Ulit</i>
	2:00 – 2:20	Assessment on the Use of ICT in Monitoring Maternal Health in the Philippines	<i>Mary Jane Arcilla, Sean Camille Agustin, Camille Bernardez, Megan Lourdes Panopio</i>

2:20 –
2:40

Schedule of Parallel Sessions
Venue: Y509

Theme	Time	Title	Author/s
Neural Network	3:40 - 4:00	Learning in Neural Networks with Decision Trees	<i>Remedios de Dios Bulos, Robert Carag, Therese Seares, Fu Yuen So</i>
Digital Processing	4:00 – 4:20	An Investigation to Understand Collaboration between Software and Arts for Creative Artworks	<i>Kishore Kosuri</i>
	4:20 – 4:40	A Proposed Generic Controller for Robotic and Automation Courses	<i>Gregory Cu</i>