

**Research @ DLSU 2012
Science and Technology Conference
Final List of Accepted Abstracts**

Cluster A (Engineering, ICT, and Science)

2012-003	Stochastic Modelling of the Philippine Stock Exchange Composite Index (PSEi)	Reginald Carl Reyes and Robert Roleda	Physics Department, De La Salle University
2012-004	Folding Powers of Paths and Cycle	Yvette Fajardo-Lim and Andrew Philip A. Wee	Mathematics Department, De La Salle University
2012-005	Comparison of Stock Market Dynamics: Blue Chip vs. Speculative Stock	Ramon Benardo S. de Belen, Patrick Arthur W.L. Tano and Robert Roleda	Physics Department, De La Salle University
2012-006	Characterization of Ayala Land Corporation Stock Dynamics	Jake Leoncini and Robert Roleda	Physics Department, De La Salle University
2012-008	Effects of Extracts of <i>Momordica charantia</i> and <i>Lagerstroemia speciosa</i> on Porcine Pancreatic Alpha-Amylase	Muryelle Alayna R. Cionelo, Nicole Bryna A. Li, and Nancy Lazaro-Llanos	Chemistry Department, De La Salle University
2012-009	Determinants of Membrane Activity from Mutational Analysis of the HIV Fusion Peptide	Oscar B. Torres ¹ and Dennis Bong ²	¹ Chemistry Department, De La Salle University ² Chemistry Department, The Ohio State University, Columbus, Ohio
2012-010	Treatment of Quick Service Restaurant Wastewater through Compact Electro-coagulation Technology	Jake Lawrie T. Chin, Christopher Kenneth N. Choa, Gladys Paz T. Cruz, Josephine Q. Borja, and Pag-asa D. Gaspillo	Chemical Engineering Department, De La Salle University
2012-013	Primary Influences on the Environmental Perspectives and Habits of Elementary School Students in an Urbanizing Locality	Chona Camille E. Vince Cruz	Biology Department, De La Salle University
2012-014	Parametric Study on Carbon Nanofiber Production via Thermocatalytic Decomposition of Methane using Box-Behnken Design	Loren Palero ¹ , Leonila Abella ¹ , and Teddy Monroy ²	¹ Chemical Engineering Department, De La Salle University, ² Technical Consultant, United Nations Industrial Development Organization, Philippine Field Office
2012-015	The Effect of Chemical Treatment on ITDI Coconut Shell-Based Activated Carbon for Arsenic Adsorption	Maria Katrina A. Pulutan, Leonila C. Abella, and Susan M. Gallardo	Chemical Engineering Department, De La Salle University

2012-016	Design Of A Microcontroller Based DC-DC Boost Converter For Optimal Heat-To-Electrical Conversion Of A TEG	John Oliver C. de Nieva, Raphael Carlo C. Gonzales, Andrew Anthony L. Lee, Angelo D. Nicomedes and Anne E. Dulay	Department of Electronics and Communications Engineering, De La Salle University
2012-017	Instrumentation of a Solar Dryer for Microalgae-to-Biofuel Production: A Green Mechatronics Approach	Lopez, Neil Stephen A. ^{1,3} , Tan, Lea C. ^{2,3} , Tan, Hazel ^{2,3} , Ubando, Aristotle T. ^{1,3} , Biona, Manuel M. ^{1,3} , Culaba, Alvin B. ^{1,3} , Chua, Alvin Y. ¹ , and Tan, Raymond R. ^{2,3}	¹ Mechanical Engineering Department, De La Salle University, ² Chemical Engineering Department, De La Salle University, ³ Center for Engineering and Sustainable Development Research (CESDR), De La Salle University
2012-018	Development of Textrodes Applied in a Three-Lead Electrocardiogram System	Jansen T. Calalan, Sir Lawrence B. Go, Prane Mariel B. Ong, and Romeric F. Pobre	Instrumentation Physics Laboratory, Physics Department, De La Salle University
2012-019	Consolidation Properties of Mine Tailings from Selected Mining Sites in the Philippines	Mary Ann Q. Adajar, Christopher Rey G. Gozum, Eunice I. Tan, and Carlo M. Velasquez	Civil Engineering Department, Gokongwei College of Engineering, De La Salle University
2012-022	Using an Adaptive Neuro-Fuzzy System to Classify Colonic Histopathological Images	Laurence A. Gan Lim ^{1,2} , Raouf N.G. Naguib ¹ , Elmer P. Dadios ³ , Jose Maria C. M Avila ⁴	¹ Biomedical Computing and Engineering Technologies (BIOCORE) Applied Research Group, Coventry University, Coventry, United Kingdom, ² Mechanical Engineering Department, De La Salle University, ³ Manufacturing Engineering and Management Department, De La Salle University ⁴ Department of Pathology, University of the Philippines
2012-024	Data Mining Approach to Automatic Genre Classification	Remedios de Dios Bulos and ADVANDB students	College of Computer Studies, De La Salle University
2012-025	Exploring Avenues for Community Informatics in Philippine MSME	Erika M. Lorenzo and Sherwin E. Ona	Center for ICT for Development (CITe4D), College of Computer Studies, De La Salle University

2012-026	Shear Strength Characteristics of some Mine Tailings in the Philippines	V.W. L. Lim, E. E. S. Uy, J. V. S. Uy, and M.Q. Adajar	Civil Engineering Department, Gokongwei College of Engineering, De La Salle University
2012-028	Extracting Keywords from Text Documents based on High Level Word Features	Arnulfo Azcarraga and Michael Liu	College of Computer Studies, De La Salle University
2012-029	Electromyogram-based Robotic Arm Controller	Dan Anthony Angeles, Alvin Joseph Castillo, Julius Aaron Cheng, Marx Benedict So, and Arthur Pius Santiago	Manufacturing Engineering and Management Department, De La Salle University
2012-030	Social Innovation and Community Informatics: Charting New Directions in ICT4H for Maternal and Child Healthcare	Sherwin E. Ona and Sarah Angeles	Center for ICT for Development (CITe4D), College of Computer Studies, De La Salle University
2012-031	A Study on the Use of Expanded Polystyrene as a Substitute for Fine Aggregates in Concrete Hollow Blocks	Nico Lauren Andrew D. Aguilar, Jose Enrique S. Octaviano, Timotei Martin C. Santiago, and Ronaldo S. Gallardo	Civil Engineering Department, De La Salle University
2012-032	A Neighborhood Search Heuristic for Parallel Identical Machines Minimizing the Number of Late Jobs and Maximum Lateness	Eric A. Siy	Department of Industrial Engineering, De La Salle University
2012-034	Kape Alamid: Is It Really Different?	Emmanuel V. Garcia ¹ , Denzel Chanco ¹ , Paulina Almerido ¹ , and Regina Pasion ²	¹ Chemistry Department, De La Salle University, ² Psychology Department, De La Salle University
2012-035	Evaluating e-Government Initiatives: Exploring the Applicability of an e-Government Scorecard for MLGUs	Merizagail G. Dumlao and Sherwin E. Ona	Center for ICT for Development (CITe4D), College of Computer Studies, De La Salle University
2012-036	Ambulatory Electrocardiogram Synthesized with Instantaneous Data Transfer via SMS	Jan Patrick Baylon, Jose Bayani Castro, Carl Erickson Lim, Maria Cristina Victoria Rodriguez and Homer S. Co	Manufacturing Engineering and Management Department, De La Salle University
2012-038	A Study on Different Concrete Plastering Materials	Catherine Chan, Jennifer Santos, Alex We, Ronaldo Gallardo, and Jason Maximino Ongpeng	Civil Engineering Department, De La Salle University
2012-039	A Study on the Use of Expanded Polystyrene as a Substitute for Fine Aggregates in Concrete Hollow Blocks	Nico Lauren Andrew Aguilar, Jose Enrique Octaviano, Timotei Martin Santiago, Ronaldo Gallardo, Jason Maximino Ongpeng, Cheryl Lyne Capiz	Civil Engineering Department, De La Salle University
2012-040	Corrosion Risk Assessment of Reinforced Concrete Columns through Half-Cell Potential and Carbonation	Christian Paolo Arcinue, Ivan Nico King, Jasper Ivan Lim, Ronaldo Gallardo, and Cheryl Lyne Capiz	Civil Engineering Department, De La Salle University
2012-042	Portable Heart Monitoring System	N.T. Bugtai, S.U. Chan-Siy, J.E. Chua,	Manufacturing Engineering and

		J.A. Flores and J.L. Wang	Management Department, De La Salle University
2012-043	Digital Asset Management System	Mary Jane Arcilla, Angelito Dizon II, Herwin Dy, Sheila Marie Salapari, and Raoul Victor Santiago	Information Technology Department, De La Salle University
2012-044	Prelude to an eParticipation Framework for Peacebuilding	Louis Mark N. Plaza and Sherwin E. Ona	Center for ICT for Development (CITe4D), College of Computer Studies, De La Salle University
2012-045	Supply Chain Information System	Mary Jane B. Arcilla, Mary Catherine Loquinario, Leonard Gerome Reyes, Anton Tyrone Rodriguez, and Chloe Sytiong	Information Technology Department, De La Salle University
2012-046	Network Controlled Mobile Robot with Vision	Alvin Y. Chua ¹ , Oscar Y. Chuy ² , Samantha F. Hilado ¹ and Edison A. Roxas ³	¹ Mechanical Engineering Department, De La Salle University, ² Center of Intelligent Systems, Control and Robotics, Florida State University, Florida, USA ³ Electronics and Communications Engineering, De La Salle University
2012-047	Epidemic Decision Support System	Mary Jane Arcilla, Kenneth Chan, Joanne Lee, Ken Sotamco, and Lawrence Tan	Information Technology Department, De La Salle University
2012-048	Using of Brainwaves to Classify Emotion	Janelyn Co, Cheney Samson, Justin Uy, Rhia Trogo and Merlin Teodosia Suarez	Software Technology Department, College of Computer Studies, De La Salle University
2012-049	Retrofitting of RC Columns with Steel Fiber Reinforced Mortar	Bernardo A. Lejano, Daniel Nichol R. Valerio, Jonathan Vincent C. Sia, Krist Kevinson A. Galicia	Civil Engineering Department, Gokongwei College of Engineering, De La Salle University
2012-050	Effectiveness of Lightweight Concrete as Protection of Steel Reinforcement Against Elevated Temperature	Bernardo A. Lejano, Xavier S. Lim, Edmund C. Cheung, Frederick C. Lim	Civil Engineering Department, Gokongwei College of Engineering, De La Salle University
2012-051	Quantum Transport Properties of SWBNNT with Point Defects using Nonequilibrium Green's Function (NEGF) Formalism	Elvis F. Arguelles ¹ , Nelson B. Arboleda Jr ¹ , Melanie Y. David ¹ and Hideaki Kasai ²	¹ Physics Department, De La Salle University, ² Department of Applied Physics, Suita Campus, Osaka University

2012-052	Quantum Dynamics Study on Atomic Hydrogen Adsorption and Desorption on/from Graphite via the Armchair Edge	Michelle T. Natividad ¹ , Nelson B. Arboleda Jr ¹ , Melanie Y. David ¹ and Hideaki Kasai ²	¹ Physics Department, De La Salle University, ² Department of Applied Physics, Suita Campus, Osaka University
2012-054	A CMOS Design of a Controller for a 5V to 3V DC-DC Buck Converter	Roderick Yap, Arvee Roldan, Roxanne Mercado, Nichole Lemery, Malvin Damasco, Beejay Bundoc	Electronics and Communications Engineering Department, De La Salle University
2012-056	From Solutions of Games to Codes	Ederlina G. Nocon	Mathematics Department, De La Salle University
2012-057	Exploring the Applicability of Communities of Practice for Network Organizations in Disaster Management	Ebenezer L. Uy and Sherwin E. Ona	Center for ICT for Development (CITe4D), College of Computer Studies, De La Salle University
2012-059	Solvent Free Microwave Extraction of Oil From Kenaf Seeds and Study on its Dielectric Properties	Terence Dheyniel N. Del Rosario, Bernadette Blair Y. Garcia, Gregg Rainier L. Palao, and Florinda T. Bacani	Chemical Engineering Department, De La Salle University
2012-060	Saccharification of Microwave Pretreated Kenaf (<i>Hibiscus Cannabinus</i>) Bast Fiber Using Carabao Rumen Fluid	Isobel Rae S. Impas, Rachiel Ruth C. Tan, Mark Reinhard P. Young, Florinda T. Bacani	Chemical Engineering Department, De La Salle University
2012-061	Triangle Mesh Shell Voxelization Using Primitive Intersection Tests for Lego Brick Approximation Algorithm	Paul Guillergan and Florante Salvador	College of Computer Studies, De La Salle University
2012-062	Morphology of Spin Coated YSZ Thin Films on Silver Substrate	Shirley Tiong Palisoc, Rose Ann Tegio, Michelle Natividad, Simon Gerard Mendiola, Benjamin Tuason, Kevin Kaw, and Stephen Tadios	Materials Science Laboratory, Physics Department, De La Salle University
2012-063	Copper Recovery from an Industrial Metal Company Wastewater using Electrolysis	Jean Tiffany S. Lo, Herschel Lawrence V. Tan and Wilheliza A. Baraoidan	Chemical Engineering Department, De La Salle University
2012-064	Retrofitting of Fire-Damaged RC Columns with CFRP	Jerilee G. Tadoy ¹ and Bernardo A. Lejano ²	¹ Sorsogon State College, Magsaysay Street, Sorsogon City, ² Civil Engineering Department, Gokongwei College of Engineering, De La Salle University
2012-065	The Reaction of Calcium Carbide with Cyclohexanone in the Presence of Potassium Hydroxide in Toluene, Hexanes, and Naphthalene-Hexanes Solvent Systems	Peter Immanuel dL. Tenido, Jose Carlo B. Avila, and Eric Camilo R. Punzalan	Chemistry Department, De La Salle University

2012-066	LiveltUp! : An Ecofriendly Smart Fridge Plugin	Jenina Chua ² , Terence Anton Dela Fuente ¹ , Angelo Bruce Magpantay ² , Edmandie Samonte ¹ , Francis Lai ¹ , and Ralph Vincent Regalado ²	¹ Center for Automation Research, College of Computer Studies, De La Salle University, ² NetCentric Computing Laboratory, College of Computer Studies, De La Salle University
2012-069	Cyclic Voltammetric Study of PEDOT/Nafion Composite Film on Fluorine-Doped Tin Oxide (FTO) Glass	Carlo Antonio T. Ng and Drexel H. Camacho	Chemistry Department, De La Salle University
2012-070	Sniffer, Packet Classifier, Stateful Inspection, Rule Generation, Decision and Injector Modules of Stateful Network Intrusion Prevention System	Juan Miguel Abcede, Gil Geronimo Bautista, Robert Concepcion, Michael John Marcos, Gregory Cu	College of Computer Studies, De La Salle University
2012-071	A Video Collector and Repository System for the Empathic Space	Arvin Corpus, Christian Magdaong, Gregory Cu	Center for Empathic Human-Computer Interaction, De La Salle University
2012-072	Hydrogen Absorption into Graphite via the Zigzag Edge: A DFT-Based Study	Nelson Arboleda Jr. ¹ , Michelle Natividad ¹ , Melanie David ¹ , and Hideaki Kasai ²	¹ Physics Department, De La Salle University, ² Department of Applied Physics, Osaka University, Osaka, Japan
2012-073	GPU-Enabled Lego Brick Approximation of Mesh Models	Ivan Ray Canilao, Patrick Karlo Pamplona, Daniel Martin Vallesteros, Florante Salvador	College of Computer Studies, De La Salle University
2012-077	Structural model for Ag/AgCl interface: A first-principles study	Raymund B. Bolalin ^{1,2} , Nelson B. Arboleda, Jr. ¹ , Melanie David ¹ , Gregory Cu ³ , and Merlin Teodesia Suarez ³	¹ Physics Department, De La Salle University, ² Applied Physics Department, EARIST, Manila, ³ Software Technology Department, De La Salle University
2012-079	Preliminary Investigation on Dissociation of Water on Iron Surface (001)	Al Rey Villagracia ¹ , Wilson Diño ² and Hideaki Kasai ²	¹ Physics Department, De La Salle University and ² Department of Applied Physics, Osaka University, Osaka, Japan
2012-082	Presenting and Contributing Locality-specific Road Traffic Information through Mobile Traffic Monitoring System	Danny C. Cheng, Felianne Chantal S. Crisostomo, Nico A. Domingo, Erik Gabriel O. Lim, and Mary Klindt A. Mendoza	College of Computer Studies, De La Salle University

2012-083	A Peaceful Barangay 121 Zone 9 through GIS	Sorvigenaleon R. Ildefonso ¹ , Jessie Linn P. Ablao ¹ , Herald Villarca ² and Maria Cecilia R. Paringit ¹	¹ Geodetic Engineering Department, FEATI University and ² English Department, FEATI University
2012-084	Identification of Possible Livelihood Project in Barangay 121 Zone 9 through GIS	Jessie Linn P. Ablao ¹ , Herald Villarca ² and Maria Cecilia R. Paringit ¹	¹ Geodetic Engineering Department, FEATI University and ² English Department, FEATI University
2012-085	Alleviation of Illiteracy Rate of the Youth of Barangay 121 Zone 9 through GIS	Jessie Linn P. Ablao ¹ , Herald Villarca ² and Maria Cecilia R. Paringit ¹	¹ Geodetic Engineering Department, FEATI University and ² English Department, FEATI University
2012-089	Technology Intervention Simulations to Improve Industry Productivity	Jose Edgar Mutuc	Industrial Engineering Department, De La Salle University
2012-090	Robust Water Exchange Networks for Eco-Industrial Symbiosis	Kathleen B. Aviso	Chemical Engineering Department, De La Salle University
2012-091	Development of a Kit for the Semi-Quantitative Analysis of Urinary Calculi	Marrion Ryan C. Sytu, Stephanie M. Baligod and Lourdes P. Guidote	Chemistry Department, De La Salle University
2012-092	Synthesis and Characterization of C – Ag Composite Nanomaterials for Battery Electrode Application	Ruby Michelle N. Buot ^{1,2} and Gil Nonato C. Santos ²	¹ Mahayag School of Arts and Trade; ² Solid State Physics Research Laboratory, De La Salle University
2012-093	Dye Sensitized Solar Cells (DSSCs) with Photoelectrodes Synthesized via Horizontal Vapor Phase Crystal (HVPC) Growth Technique	Abel Ole and Gil Nonato Santos	Solid State Physics Research Laboratory, De La Salle University
2012-094	Synthesis and Characterization of Cadmium Selenide (CdSe) Quantum Dots using the Horizontal Vapor Phase Crystal (HVPC) Growth Technique for Sensing Copper Ion Concentrations	Arra Quitaneg and Gil Nonato C. Santos	Solid State Physics Research Laboratory, De La Salle University
2012-095	Synthesis, Characterization, and Evaluation of <i>In Vitro</i> Antimycobacterial Activity of Phthalimide Derivatives	Glenn V Alea and West Kristian D Paraiso	Chemistry Department, De La Salle University
2012-096	Geotechnical Properties of Road Base Materials in the Philippines	Jonathan R Dungca, Lydia Francisca T Dychangco and Julie Ann L. Jao	Civil Engineering Department, De La Salle University
2012-097	A DFT-Based Study of Hydrogen Adsorption on Pd-Doped MgB ₂ (0001) Surface	Paul M. Abanador, Melanie Y. David, and Nelson B. Arboleda	Physics Department, College of Science, De La Salle University
2012-098	Glucosinolates in Alugbati (<i>Basella rubra</i>)	Darcy L. Garza, Nico Lorenzo M. Talento and Marissa G. Noel	Chemistry Department and CENSER, De La Salle University
2012-099	Flavonoid Contents of Some Conventional and Unconventional	Ariel John D. Grona, Therese Marie S.	Chemistry Department, De La Salle

	Plant Samples	Rosbero and Anamy Ma. C. Paano	University
2012-100	A New Triterpene from <i>Barringtonia asiatica</i>	Consolacion Y. Ragasa ¹ , Dinah L. Espineli ¹ , and Chien-Chang Shen ²	¹ Chemistry Department and Center for Natural Sciences and Ecological Research, De La Salle University; ² National Research Institute of Chinese Medicine, 155-1, Li-Nong St., Sec 2, Taipei 112, Taiwan
2012-101	Cytotoxic Triterpenes from <i>Barringtonia asiatica</i>	Consolacion Y. Ragasa ¹ , Dinah L. Espineli ¹ , and Chien-Chang Shen ²	¹ Chemistry Department and Center for Natural Sciences and Ecological Research, De La Salle University; ² National Research Institute of Chinese Medicine, 155-1, Li-Nong St., Sec 2, Taipei 112, Taiwan
2012-102	New Triterpenes from <i>Barringtonia asiatica</i>	Consolacion Y. Ragasa ¹ , Dinah L. Espineli ¹ , and Chien-Chang Shen ²	¹ Chemistry Department and Center for Natural Sciences and Ecological Research, De La Salle University; ² National Research Institute of Chinese Medicine, 155-1, Li-Nong St., Sec 2, Taipei 112, Taiwan
2012-103	New, Cytotoxic and Antimicrobial Compounds from <i>Cinnamomum cebuense</i> Kosterm. (Lauraceae)	Dinah L. Espineli ¹ , Esperanza Maribel G. Ago ² , Ramon S. del Fierro ³ , Chien-Chang Shen ⁴ , and Consolacion Y. Ragasa ¹	¹ Chemistry Department and Center for Natural Sciences and Ecological Research, De La Salle University; ² Biology Department, De La Salle University; ³ Chemistry Department, University of San Carlos; ⁴ National Research Institute of Chinese Medicine, Taipei, Taiwan
2012-104	Redox Properties of Glucose-containing Tetrathiafulvalene (TTF) Derivatives	Glenn V. Alea ¹ , Jaime Janairo ¹ , Gerardo C. Janairo ¹ and Jeremy D. Kilburn ²	¹ Chemistry Department, De La Salle University, ² University of Southampton, Southampton SO17 1 BJ, United Kingdom
2012-105	Modeling Self-Rated Poverty in the Philippines Using Joinpoint Regression Analysis	Juan Antonio A. Tabalba, Randy R. Santos, and Rechel G. Arcilla	Mathematics Department, De La Salle University

2012-106	Carbon Nanotubes Doped With Nitrogen, Pyridine-Like Nitrogen Defects, and Transition Metal Atoms	Michael Mananghaya ^{1,2} , Emmanuel Rodolfo ¹ and Gil Nonato Santos ¹	¹ Physics Department, De La Salle University, ² Physics Department, Mapua Institute of Technology, Intramuros, Manila
2012-107	An Analytical Model to Determine the Viability of Urban Agricultural Systems	Robert W. Taylor and Jose Santos R. Carandang VI	Biology Department, College of Science, De La Salle University
2012-108	A Survey on C2C Online Buy and Sell Websites in the Philippines	Kenneth Pera, Kathlynn Siao, Neal Yu, and Willy F. Zalatar	Department of Industrial Engineering, De La Salle University
2012-109	Design and Characterization of a 0.5-um All MOS Op-Amp-less Bandgap Voltage Reference	Alexander C. Abad and Donato A. David	Electronics and Communications Engineering Department, De La Salle University
2012-111	Regression-Based Estimation Methods of Barangay Level Poverty Incidences Using CBMS Marinduque Data	Shirlee Ocampo, Amerigo Lorenzo de la Paz, and Glorianne Mariz Valera	Mathematics Department, College of Science, De La Salle University
2012-112	Synthesis of Pyrazinamide Analogs of Aspirin	Glenn V. Alea, Faith Marie G. Laguna, and Michael Dominic M. Ajero	Chemistry Department, College of Science, De La Salle University
2012-115	Identifying the Gap: Challenges and Solution to Community Enabled Disaster Management in the Philippines	Christian D. Echavez	Computer Technology Department, College of Computer Studies, De La Salle University
2012-116	On Generalized Bell Polynomials	Roberto B. Corcino ¹ and Cristina B. Corcino ²	¹ Department of Mathematics, Mindanao State University, Marawi City; ² Department of Mathematics, De La Salle University
2012-118	Development and Test of a Vision-based Road-lane Detection System for Robotic-Car Application	Edwin J. Calilung ¹ , Jon Angeles ² , Rene Figueroa ² and Victor Yu, Jr ²	¹ Manufacturing Engineering and Management, De La Salle University; ² Mechanical Engineering, De La Salle University
2012-119	DOST-SMART (Department of Science and Technology-System for Managing Training)	Marivic S. Tangkeko, Nerissa Hannah A. Adriano, Kimberly Jane L. Go, Rochelle Vanessa S. Pua Phee and Ephraim Tiakseng U. See	Information Technology Department, College of Computer Studies-De La Salle University
2012-120	Generic University Information System – Empowering the State Universities and Colleges	Marivic Tangkeko, Terry Lim, Karl Morano, and Leonard Tan	Center for ICT for Development (CITe4D), College of Computer Studies, De La Salle University

2012-121	Hypoglycemic Potential of Triterpenes from <i>Alstonia scholaris</i>	Consolacion Y. Ragasa ¹ , Kosta Fremmielle Lim ¹ , Chien-Chang Shen ² and Dennis D. Raga ³	¹ Chemistry Department and Center for Natural Sciences and Ecological Research- DLSU, ² National Research Institute of Chinese Medicine, 155-1, Li-Nong St., Sec 2, Taipei 112, Taiwan, and ³ Biology Department and Center for Natural Sciences and Ecological Research, DLSU-Manila
2012-122	Fabrication and Characterization of Ppy-NaTS Thin Films Using The Printing-Direct Patterning Technique	Maria Carla Manzano and Enrique Manzano	Physics Department, De La Salle University
2012-123	Electric Tricycle Modeling, Design Optimization and Performance Projections	J.B. Manuel M. Biona, Precious Alvarez and Archie Maglaya	Mechanical Engineering Department, De La Salle University
2012-124	Life Cycle Assessment of <i>Jatropha curcas L.</i> to Biodiesel Preliminary Results	Jeremias A. Gonzaga, Jose Bienvenido Manuel Biona, Archie B. Maglaya	Mechanical Engineering Department, De La Salle University
2012-126	AGILA: Disaster Management Decision Support System	Divina Merced L. Cleto ¹ , Irene Claudette J. Itaas ¹ , Maria Isabel Sarmiento ¹ , Carlos Julius M. Yalao ¹ , and Christian D. Echavez ²	¹ Information and Communications Technology Management Undergraduate Students, College of Computer Studies, De La Salle University, ² Computer Technology Department, College of Computer Studies, De La Salle University
2012-127	Managing Typhoon Disaster Prevention and Preparedness Through Agent-Based Simulation	Antonio Louis A. Holmes and Dennis T. Beng Hui	Industrial Engineering Department, De La Salle University
2012-129	Wigner Function for the Deformation Quantization of the Two-Dimensional Harmonic Oscillator	Ermys B. Bornilla	Physics Department, De La Salle University
2012-130	A Coral Reef Monitoring and Mapping System for Western Luzon Seas	Anton Barba, John Ravago, Charles Stephen Vicencio, Ma. Victoria Pineda	Information Technology Department, De La Salle University
2012-132	Community Profiling and Mapping for CREST	Justine Christian Aguas, Steffi Marie Caunga, Jennifer Eborra, Antonio Bowie Villaseñor, and Ma. Victoria Pineda	Information Technology Dept, De La Salle University
2012-133	Fabrication of Conducting-Polypyrrole-based pH-sensor Doped with HQS	Daniel Tyson Ty, Eryc Austin Lin, Maria Carla Manzano, and Enrique Manzano	Physics Department, De La Salle University
2012-134	Entropy-based Image Indexing and Retrieval System using FPGA	Cristian S. Lazana ¹ and Cesar A. Llorente ²	¹ Graduate School of Engineering,, Department of Electronics and Communications Engineering, De

			La Salle University, ² Department of Electronics and Communications Engineering, De La Salle University
2012-135	Implementation of Serial ATA Physical Layer using RocketIO in Virtex 4 FPGA	Cesar A. Llorente	Department of Electronics and Communications Engineering, De La Salle University
2012-136	The Effect of Cobalt-60 Irradiation to Physiochemical Properties of Ground Beef and Pork with Resveratrol	Jhustine Klien Mababangloob, John Anthony Tagacay II, Jade Dungao Trono	Physics Department, De La Salle University
2012-137	Cobalt-60 Dose Calculations using MCNP Methods in Gold Embedded Tumor and its Significance on Radiation Therapy	Jowi Tsidkenu Cruz, Abigail Rodriguez, Jade Dungao Trono	Physics Department, De La Salle University
2012-138	Marikina Flood Mapping System	Miguel Ramon Antonio A. Portugal, Oressa R. Prodigalidad, Terence C. Siy, Alfredo A. Verzosa, and Ma. Victoria Pineda	Information Technology Department, De La Salle University
2012-139	The De La Salle University 100 Schools Project: Implementing an Instructional Design Framework for High School Teachware	Liandro Antonio T. Tabora	Information Technology Department, College of Computer Studies, De La Salle University
2012-140	Avenues for Green ICT in Philippine Outsourcing Industry Towards Sustainable Development	Allan Ralph E. Japzon	Center for ICT for Development (CITe4D), College of Computer Studies, De La Salle University

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Final List of Accepted Abstracts**

Cluster B (Business, Economics, Education, Humanities, and Liberal Arts)

2012-001	The Development of the Anti-Rinderpest Vaccine: A Great Contribution of the Philippines to the Scientific World	Arleigh Ross D. Dela Cruz	History Department, De La Salle University
2012-002	Assessing the Impacts of the Food and Non-Food Grant on Poverty Alleviation in the Philippines	Mitzie Irene P. Conchada	School of Economics, De La Salle University
2012-007	A Venn Diagrammatical Analysis of Set Membership and Identity	Jeremiah Joven Joaquin	Philosophy Department, De La Salle University
2012-011	Interspatial Differences in Purchasing Power: Another Perspective in Sending Remittances	Tereso S. Tullao, Jr. and Christopher James Cabuay	Angelo King Institute, School of Economics, De La Salle University
2012-012	Magnification of Cognitive Thinking in Two Learning Settings	Maria Eliza P. Cruz	Department of Natural Sciences and Mathematics, San Beda College and Division of Graduate Studies and Research, The National Teachers College
2012-020	Describing the Geometric Reasoning of Fourth Year High School Students Using the Van Hiele Theory	Claudeth Cathleen C. Cantoria, Joanne R. Casanova, and Minie Rose C. Lapinid	Science Education Department, De La Salle University
2012-021	Baseline Taxonomy of Personal Entrepreneurial Competencies (PECs) of Selected DLSU Entrepreneurship Students	Emilina R. Sarreal	Decision Sciences and Innovation Department, De La Salle University
2012-023	"Human is Not a Dirty Word": In Defense of Anthropocentrism	Israel Joseph R. Soberano	Philosophy Department, De La Salle University
2012-027	Why the Parable of the Wedding Banquet as Metaphor for Kingly Leadership is Problematic: Towards a Rereading of Matthew 22	Fr. Francis Xavier R. Salcedo	Theology and Religious Education Department, De La Salle University
2012-037	The WebQuest: Its Impact on Students' Critical Thinking, Performance, and Perceptions in Basic Physics	Edwin Auditor and Lydia S. Roleda	Science Education Department, De La Salle University
2012-041	An Assessment of the Spatial Intelligence and Pattern Recognition Skills of Undergraduate Tertiary Students of De La Salle University	Teri Shalom A. Constantino, Patrick Edward B. Corvera, and Angela Louise J. Custodio	Science Education Department, College of Education, De La Salle University
2012-053	The Relationship Quotient of Family Owned Businesses	Honorata G. Dimapilis	Decision Sciences and Innovation Department, De La Salle University

2012-055	A Documentary Analysis of Major Examinations in Selected Subject Areas as Validated by Experts: Reference for Test Construction Enhancement	Hadji C. Alegre	Mathematics and Physics Department, Manila Tytana Colleges
2012-067	Symmetry of Cost Behavior	Arnel Onesimo O. Uy	Accountancy Department, De La Salle University
2012-068	Using TUG-K and TUG-M in Probing Students' Understanding of Kinematics and Mathematics Graphs	Rolito Cang and Lydia Roleda	Science Education Department, De La Salle University
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