

Conference Program

March 29-31, 2017
Nagoya, Japan

ACEAIT

Annual Conference on Engineering and Information
Technology

APLSBE

Asia-Pacific Conference on Life Sciences and
Biological Engineering

ISFAS

International Symposium on Fundamental and
Applied Sciences

ICBASS

International Conference on Business and Social
Science

ISEPST

International Symposium on Education, Psychology
and Society

ACEAIT

Annual Conference on Engineering and Information Technology

ISBN 978-986-89298-6-9

APLSBE

Asia-Pacific Conference on Life Sciences and Biological Engineering

ISBN 978-986-5654-49-8

ISFAS

International Symposium on Fundamental and Applied Sciences

ISBN 978-986-89298-5-2

ICBASS

International Conference on Business and Social Science

ISBN 978-986-89298-7-6

ISEPST

International Symposium on Education, Psychology and Society

ISBN 978-986-89298-8-3

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Welcome Message



Local Host

Michiko Miyamoto

Professor

Akita Prefectural University, Japan

Dear Conference Delegates,

I would like to extend a very warm welcome to all of you to joint conferences in Nagoya, Japan.

Nagoya is located at the center of Honshu (the main island of Japan) and has a long history dating back 1900 years, when Atsuta Jingu (one of Japan's most important Shinto shrines) has a close relationship with the legendary people who appear in Kojiki (the oldest history book of Japan), was established. Nagoya is the birthplace of three notable feudal lords, Oda Nobunaga, Toyotomi Hideyoshi and Tokugawa Ieyasu, and developed as the castle town of the Owari, one of the three branches of the ruling Tokugawa family during the Edo Period (1603 - 1867). Nagoya plays an important role in Japan's industrial society. The Toyota Motor Corporation, a global automotive industry leader, maintains its headquarters just outside of Nagoya. Today, Nagoya continues to draw attention and keeps on developing as a Japanese international city.

Nagoya has many famous attractions to entice the keen traveler, including Nagoya Castle (one of Japan's Three Famous Castles), Atsuta Jingu, and Osu Kannon Temple (a popular Buddhist temple in the heart of the city).

Nagoya is home to arguably some of Japan's best food as well. It has always been a popular destination for people in the know with some of the country's best and most interesting culinary delights, such as Miso Katsu (Deep fried pork cutlet topped with a thick miso sauce), Tebasaki (Deep fried spicy chicken wings), Miso Nikomi Udon (an udon that's stewed in a miso based broth with hacho-miso), Ankake Spaghetti (spaghetti topped with a spicy and sticky sauce), Tenmusu (A rice ball containing shrimp tempura).

Enjoy this opportunity to both share your research and experience Nagoya!.

Michiko Miyamoto

Local host

Professor, Akita Prefectural University

General Information for Participants

■ **Registration**

The registration desk will be situated on the **2F of Building 2** at the **Nagoya Congress Center** during the following time:

08:30-16:00 Thursday, March 30, 2017

08:30-14:00 Friday, March 31, 2017

Lunch Venue: Cafeteria Cascade on B1F of Building 3

■ **A Polite Request to All Participants**

Participants are requested to arrive in a timely fashion for all addresses, whether to their own, or to those of other presenters. Presenters are reminded that the time slots should be divided fairly and equally between the number of presentations, and that they should not overrun. The session chair is asked to assume this timekeeping role and to summarize key issues in each topic.



Sandals or Slippers



Tank Top



Shorts

■ Preparation for Oral Presentations

All presentation rooms are equipped with a screen, an LCD projector, and a laptop computer installed with Microsoft PowerPoint. You will be able to insert your USB flash drive into the computer and double check your file in PowerPoint. We recommend you to bring two copies of the file in case that one fails. You may also connect your own laptop to the provided projector; however please ensure you have the requisite connector.

Preparation for Poster Presentation

Materials Provided by the Conference Organizer:

1. X-frame display & base fabric canvases (60cm×160cm)
2. Adhesive tapes or binder clips

Materials Prepared by the Presenters:

1. Home-made Poster(s)
2. Material: not limited, can be posted on the canvases
3. Recommended poster size: 60cm*160cm



<p>A 60cm*160cm poster illustrates the research findings.</p>	<ol style="list-style-type: none"> 1. Wider than 60cm (left) 2. Copy of PowerPoint slides in A4 papers (right)

International Committees

International Committee of Nature Sciences

Abdelmalik Serbout	University of physical and sports activities Djelfa	Algeria
Abdelwahab Elghareeb	Cairo University	Egypt
Abhishek Shukla	R.D. Engineering College Technical Campus, Ghaziabad	India
Ahmad Zahedi	James Cook University	Australia
Alexander M. Korsunsky	Trinity College, Oxford	UK
Almacen	Philippine Association of Maritime Training Centers	Philippines
Amel L. Magallanes	Capiz State University	Philippines
Amran Bin Ahmed	University Malaysia Perlis	Malaysia
Anthony D. Johnson	Seoul National University of Science & Technology	UK
Ashley Love	A.T. Still University	USA
Asif Mahmood	King Saud University, Riyadh	Saudi Arabia
Asmida Ismail	University Technology Mara	Malaysia
Baolin Wang	University of Western Sydney	
Byoung-Jun Yoon	Korea National Open University	South Korea
Chang Ping-Chuan	Kun Shan University	Taiwan
Chee Fah Wong	Universiti Pendidikan Sultan Idris	Malaysia
Chee-Ming Chan	Universiti Tun Hussein Onn Malaysia	Malaysia
Cheng, Chun Hung	The Chinese University of Hong Kong	Hong Kong
Cheng-Min Feng	National Chiao Tung University	Taiwan
Cheuk-Ming Mak	The Hong Kong Polytechnic University	Hong Kong
Chia-Ray Lin	Academia Sinica	Taiwan
Chih-Wei Chiu	National Taiwan University of Science and Technology	Taiwan
Chikako Asada	Tokushima University	
Chi-Ming Lai	National Cheng-Kung University	Taiwan
Ching-An Peng	University of Idaho	USA
Chin-Tung Cheng	National Kaohsiung (First) University of Science and Technology	Taiwan
Christoph Lindenberger	Friedrich-Alexander University	Germany
Daniel W. M. Chan	The Hong Kong Polytechnic University	Hong Kong
Deok-Joo Lee	Kyung Hee University	South Korea
Din Yuen Chan	National Chiayi University	Taiwan
Don Liu	Louisiana University	USA
Edward J. Smaglik	Northen Arizona University	USA
Ehsan Noroozinejad Farsangi	Kerman Graduate University of Advanced Technology (KGUT)	Iran

Farhad Memarzadeh	National Institutes of Health	USA
Fariborz Rahimi	University of Bonab	Iran
Fatchiyah M.Kes.	Universitas Brawijaya	Indonesia
Gi-Hyun Hwang	Dongseo University	South Korea
Gwo-Jiun Horng	Southern Taiwan University of Science and Technology	Taiwan
Hae-Duck Joshua Jeong	Korean Bible University	South Korea
Hairul Azman Roslan	Universiti Malaysia Sarawak	
Hamed M El-Shora	Mansoura University	Egypt
Hanmin Jung	Convergence Technology Research Planning	South Korea
Hasmawi Bin Khalid	University Teknologi Mara	Malaysia
Hikyoo Koh	Lamar University	USA
Hiroshi Uechi	Osaka Gakuin University	Japan
Ho, Wing Kei Keith	The Hong Kong Institute of Education	Hong Kong
Hsiao-Rong Tyan	Chung Yuan Christian University	Taiwan
Hsien Hua Lee	National Sun Yat-Sen University	Taiwan
Hung-Yuan Chung	National Central University	Taiwan
Hyomin Jeong	Gyeongsang National University	South Korea
Hyoungseop Kim	Kyushu Insititute of Techonogy	Japan
Jacky Yuh-Chung Hu	National Ilan University	Taiwan
Jeril Kuriakose	Manipal University	India
Jieh-Shian Young	National Changhua University of Education	Taiwan
Jivika Govil	Zion Bancorporation	India
Jongsuk Ruth Lee	Korea Institute of Science and Technology Information	South Korea
Jui-Hui Chen	CPC Corporation, Taiwan	Taiwan
Jung Tae Kim	Mokwon University	South Korea
Kamal Seyed Razavi	Federation University Australia	Australia
Kazuaki Maeda	Chubu Univeristy	Japan
Kim, Taesoo	Hanbat National University	South Korea
Kuang-Hui Peng	National Taipei University of Technology	Taiwan
Kun-Li Wen	Chienkuo Technology University	Taiwan
Lai Mun Kou	SEGi University	Malaysia
Lars Weinehall	Umea University	Sweden
Lee, Jae Bin	Mokpo National University	South Korea
M. Chandra Sekhar	National Institute of Technology	India
M. Krishnamurthy	KCG college of technology	India
Mane Aasheim Knudsen	University of Agder	Norway
Michiko Miyamoto	Akita Prefectural University	Japan
Minagawa, Masaru	Tokyo City University	Japan

Mu-Yen Chen	National Taichung University of Science and Tchonology	Taiwan
Norizzah Abd Rashid	Universiti Teknologi MARA	Malaysia
Onder Turan	Anadolu University	Turkey
Osman Adiguzel	Firat University	Turkey
P. Sivaprakash	A.S.L. Pauls College of Engineering & Technology	India
P.Sanjeevikumar	University of Bologna	India
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Patrick S.K. Chua	Singapore Institute of Technology	Singapore
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Ransinchung R.N.(Ranjan)	Indian Institute of Technology	India
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S. Ahmed John	Jamal Mohamed College	India
Saji Baby	Kuwait University	KUWAIT
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Sergei Gorlatch	University of Muenster	Germany
Shen-Long Tsai	National Taiwan University of Science and Technology	Taiwan
Sittisak Uparivong	Khon Kaen University	Thailand
Song Yu	Fukuoka Institute of Technology	Japan
Sudhir C.V.	Caledonian College of Engineering	Oman
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Thippayarat Chahomchuen	Kasetsart University	Thailand
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Vivian Louis Forbes	Wuhan University	China
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Wong Hai Ming	The University of Hong Kong	Hong Kong
Wong Tsun Tat	The Hong Kong Polytechnic University	Hong Kong
Wooyoung Shim	Yonsei University	South Korea
Ya-Fen Chang	National Taichung University of Science and Tchonology	Taiwan
Yasuhiko Koike	Tokyo University of Agriculture	Japan
Yee-Wen Yen	National Taiwan University of Science and Technology	Taiwan
Yoshida Masafumi	Tokyo City University	Japan
Youngjune Park	Gwangju Institute of Science and Technology	South Korea
Yuan-Lung Lo	Tamkang University	Taiwan

International Committee of Social Sciences

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Azilawati	Nanyang Technological University, Singapore	Singapore
Aziz Bin Ahmad	University Malaysia Terengganu	Malaysia
B. Suresh Lal	Kakatiya University	India
Badar Alam Iqbal	Aligarh Muslim University	India
Bayram Akarsu	Erciyes University	Turkey
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Brian Hunt	Mahidol University	Thailand
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Cathine G. Scott	Morris College in Sumter	USA
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Darshan kaur Narang	University of Rajasthan, Jaipur	India
David Yoon	Universitaire Léonard de Vinci	France
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Donald L. Amoroso	Auburn University at Montgomery	USA
Donghun Lee	Sungkyunkwan University	South Korea
E. Daniel Shim	Sacred Heart University	USA
Eddy K.W. Li	The Chinese University of Hong Kong	Hong Kong
Edward Hwang	Chung Hua University	Taiwan

Emiko Tsuyuki	Chuo University	Japan
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Funda Varnaci Uzun	Aksaray University	Turkey
Gajendra Singh	Satyawati College, University of Delhi	India
Halil Ibrahim Gurcan	Anadolu University	Turkey
Hamzeh Dodeen	United Arab Emirates University	UAE
Intan Soliha Binti Ibrahim	Universiti Malaysia Sabah	Malaysia
Irene Guatno Toribio	Philippine Christian University	Philippines
Jalil Safaei	University of Northern British Columbia	Canada
Jamie Halsall	University of Huddersfield	UK
Jian-Horng Chen	Chung Shan Medical University	Taiwan
Jill Thompson-White	Edith Cowan University	Australia
John Christian S. Jardin	Palawan State University	Philippines
Jonas Chao-Pen Yu	Takming University of Science and Technology	Taiwan
Jongkun Jun	Hankuk University of Foreign Studies	South Korea
Joseph Lau	The University of Hong Kong	Hong Kong
Joyce Zhou	Emporia State University	USA
Julia Wong	Family Justice Courts Singapore	Singapore
K. Prakash Vel	University of Wollongong	Dubai
Kaedsiri Jaroenwisan	Silpakorn Univesity	Thailand
Kanokphon Chantananungpak	Srinakharinwirot University	Thailand
Karen Miranda Fernandez	Imus Institute	Philippines
Keith H. Sakuda	University of Hawai'i — West O'ahu	USA
Kim , Kyung Hee	Mokpo National University	South Korea
Kim Sangho	Ritsumeikan Asia Pacific University	Japan
Kim, Deok Man	Baekseok University	South Korea
Kimble Byrd	Rowan University	USA
Krishna Govender	AAA School of Advertising	South Africa
Kurt W. Ackermann	Hokusei Gakuen University	Japan
Lin, Hsiao-Tseng	Meiho University	Taiwan
Linda Oshita	University of Hwaii	USA
Linda Ross	Rowan University	USA

Maria Cristina M. De los Santos	Kyungdong University-Global Campus	South Korea
Marie Paz E. Morales	Philippine Normal University	Philippines
Masoud Kavooosi	The George Washington University	USA
Mehryar Nooriafshar	University of Southern Queensland	Australia
Michael Kao	Chang Gung University	Taiwan
Micheal Kon	Aletheia University	Taiwan
Ming-Chang Chih	National Chung Hsing University	Taiwan
Mingchu (Neal) Luo	Emporia State University	USA
Mohamad Hafis Amat Simin	University Sultan Zainal Abdin	Malaysia
N. S. Ravishankar	Axis Bank	India
Naim Uzun	Aksaray University	Turkey
Nezaket Memmedli	Azerbaijan National Academy of Sciences	Azerbaijan
Obydullah Al Marjuk	Independent University, Bangladesh	Bangladesh
Ozgul Keles	Aksaray University	Turkey
Prasong Tanpichai	Kasetsart University	Thailand
Qi Wang	University of Southern Denmark	China
Rajesh U. Chheda	Shri. MD Shah Mahila College	India
Ramayah Thurasamy	Universiti Sains Malaysia	Malaysia
Reem Abed Almotaleb Abuiyada	Dhofar University	Palestine
Ricky Ng	Vocational Training Council	Hong Kong
Ronald Griffin	Florida Agricultural & Mechanical University	USA
Rotaru Ioan-Gheorghe	Timotheus Brethren Theological Insititute of Bucharest	Romania
Ruby Ann L. Ayo	Bicol University	Philippines
Sadiq Abdulwahed Ahmed Ismail	United Arab Emirates University	UAE
Sally dhruva' Stephenson	Frosterburg State University	USA
Seonjeong Ally Lee	Kent State University	USA
Shaik. Feroz	Caledonian College of Engineering	Oman
SHANG Songmin	The Hong Kong Polytechnic University	Hong Kong
Shujen Lee Chang	Asia University	Taiwan
Soon SONG	Wonkwang University	South Korea

Suzanne Beasterfield	Idaho State University	USA
Szu-Wei (Chris) Chen	I-Shou University	Taiwan
T.S.Devaraja	University of Mysore, Hemanganthri Campus	India
Tan Khay Boon	SIM Global Education	Singapore
Theeraphab Phetmalaikul	Srinakharinwirot University	Thailand
Thoedsak Chomtohsuwan	Rangsit University	Thailand
Vijayaletchumy Subramaniam	Universitas Putra Malaysia	Malaysia
Wang Yu-Shan	National Kaohsiung First University of Science and Technology	Taiwan
Warren Matthews	Belhaven University	USA
Wei-Cheng(Joseph) Mau	Wichita State University	USA
Wen-Pei Sung	National Chin-Yi University of Technology	Taiwan
William Richeson	University of Kentucky	USA
Ye PeiShi	Family Justice Courts Singapore	Singapore
Ying Zhang	Southeast University	China
Yong-Ho Kim	Pukyong National University	South Korea
Yuki Yokohama	Kanto Gakuin University	Japan
Zabihollah Rezaee	The University of Memphis	USA
Zhou Xiao	Fudan University	China

Conference Venue Information

Nagoya Congress Center

1-1 Atsuta-nishimachi, Atsuta-ku, Nagoya 456-0036

Tel:+81-52-683-7711

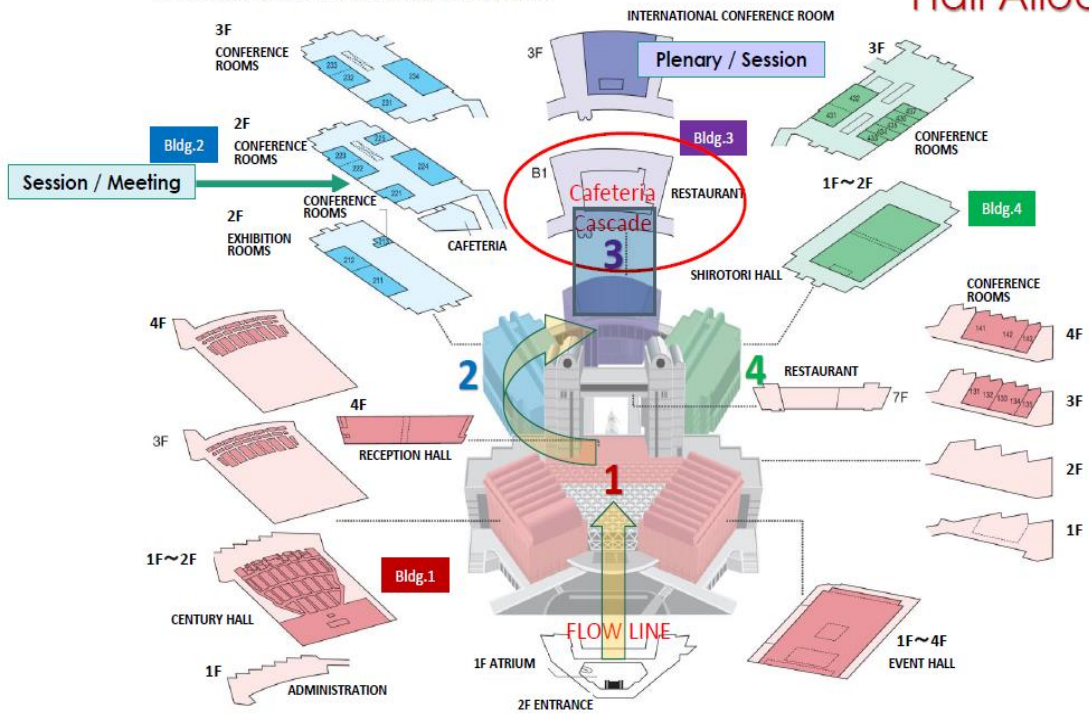
Fax:+81-52-683-7777

Floor Map (2nd floor, Building 2)



Nagoya Congress Center Consists of four buildings: Bldg.1, Bldg.2, Bldg.3, and Bldg.4.

Hall Allocation



Special Thanks to Session Chairs

Cholid Badri	Universitas Indonesia
Preechaya Kittipaisalsilpa	Rangsit Univerisity
Kanchana Chokriensukchai	The University of the Thai Chamber of Commerce
Marilyn Somera Luzano	Isabela State University Roxas Campus
Hwee Ling Lim	The Petroleum Institute
Lih-Wu Hourng	National Central University
Mei-Shiu Chiu	National Chengchi University
Donald Louis Amoroso	Auburn University Montgomery
Chung-Chan Hung	National Cheng Kung University
Wai Kit Ng	City University of Hong Kong
Y. Lakshmi Malrouth	California State University, Sacramento
Chun-Hung Cheng	The Chinese University of Hong Kong
Sanhawat Chaiwong	University of Phayao
Chih-Yung Lin	Yuan Ze University
John P.T. Mo	RMIT University
Ahmad Salihin Bin Samsudin	Universiti Malaysia Pahang
Charatchai Yenphayab	King Mongkut's Institute of Technology Ladkrabang Prince of Chumphon Campus
Robert Rieger	National Sun Yat-Sen University
Intan Safinar Ismail	Universiti Putra Malaysia

Conference Schedule

Wednesday, March 29, 2017
Internal Meeting
(Staff Only)

Thursday, March 30, 2017		
Oral Presentation(2nd floor, Building 2)		
Time	Schedule	Venue
08:30-16:00	Registration	Foyer area
09:00-10:30	Biological Engineering & Biomedical Engineering & Chemical Engineering	Room 221
	Politics & Law	Room 222
	Communication & Society	Room 223
10:30-10:50	Tea Break	Foyer area
10:50-11:50	<u>Keynote Speech</u> Dr. Donald L. Amoroso Auburn University Montgomery Topic: <i>Innovation in ASEAN 2025</i>	Room 221
	Education (1) & Culture	Room 222
	Marketing & Management (1)	Room 223
11:50-13:00	Lunch Time	Cafeteria Cascade (B1, Bldg. 3)
13:00-14:30	Mechanical Engineering and Technology (1)	Room 221
	Education (2) & Culture	Room 222
	Marketing & Management (2)	Room 223
14:30-14:50	Tea Break	Foyer area
14:50-16:20	Civil Engineering & Materials Science and Engineering	Room 221
	Education (3)	Room 222
	Business (1) & Economics (1)	Room 223

Thursday, March 30, 2017	
Poster Session(Room 225, 2nd floor, Building 2)	
Time	Information
09:30-10:30	Poster Session (1)
	Computer Engineering and Technology / Electrical Engineering and Technology / Information Engineering and Technology
11:00-12:00	Poster Session (2)
	Education & Culture / Communication & Society / Marketing & Management
13:30-14:30	Poster Session (3)
	Materials Science and Engineering / Biological Engineering / Biomedical Engineering / Chemical Engineering
15:00-16:00	Poster Session (4)
	Mechanical Engineering and Technology

Friday, March 31, 2017		
Oral Presentation(2nd floor, Building 2)		
Time	Schedule	Venue
08:30-14:00	Registration	Foyer area
09:00-10:30	Computer Engineering and Technology & Information Engineering and Technology	Room 221
	Environmental Engineering & Geology, Earth and Environmental Sciences	Room 222
	Banking & Finance & Business (2) & Economics (2)	Room 223
10:30-10:50	Tea Break	Foyer area
10:50-11:50	Mechanical Engineering and Technology (2)	Room 221
	Fundamental Sciences & Nanotechnology	Room 222
	Agricultural Engineering and Technologies	Room 223
11:50-13:00	Lunch Time	Cafeteria Cascade (B1, Bldg. 3)
13:00-14:30	Electrical Engineering and Technology	Room 221
	Life Sciences	Room 222

Friday, March 31, 2017
Poster Session(Room 225, 2nd floor, Building 2)

Time	Information
09:30-10:30	Poster Session (5)
	Life Sciences (1) / Nanotechnology
11:00-12:00	Poster Session (6)
	Life Sciences (2) / Agricultural Engineering and Technologies / Environmental Engineering / Geology, Earth and Environmental Sciences

Keynote Speech

Room 221, 2nd Floor

10:50-11:50, Thursday, March 30, 2017

Topic: Innovation in ASEAN 2025

Dr. Donald L. Amoroso

Lowder-Weil Endowed Chair and Professor of Information Systems

Auburn University Montgomery

President and CEO of Axcell LLC



Abstract:

With the entrance of the Association of Southeast Asian Nations, there has been a strong initiative for innovation. The size of ASEAN is projected to have a combined GDP of \$3.5 trillion by 2020 and projected to rank as the 5th largest economy in the world. With over 125 million consumers and a projected populations in 2020 of 800 million people, there is much potential for innovation, impact, and social change. ASEAN Impact Challenge is a regional challenge designed for impact-driven innovators within the ASEAN region. The initiative is open to innovations with the potential and capacity to develop and scale, while providing long-term solutions and impact on pressing community, social and environmental issues around the theme of Innovations for Urban Impact. We will discuss the ASEAN ecosystem and the opportunities for innovation over the next ten years.

Brief Introduction of Dr. Donald L. Amoroso

Dr. Amoroso is the Lowder-Weil Endowed Chair and Professor of Innovation and Strategy at Auburn University Montgomery, Alabama, United States. He is Visiting Professor and Research Fellow at Asian Institute of Management in Manila, Philippines and Palawan State University, Philippines. He has been Visiting Professor at Tsukuba University, Japan, Addis Ababa University, Ethiopia, and Australian Defence Force Academy, Canberra Australia. His industry experience includes working in General Electric Capital as Assistant Vice President and Director of Enterprise Solutions, with Solista/GartnerGroup as a consulting partner, and with Northrup-Grumman in finance. He worked with the Center for the Commercialization of

Advanced Technologies (CCAT) in Washington D.C. and San Diego where he led over 24 innovation projects and assisted in the start up of 14 new companies. Dr. Amoroso received his MBA and Ph.D. from the University of Georgia in 1984 and 1986, respectively.

In research, Dr. Amoroso is conducting a five-year project studying consumer intention to adopt mobile wallet applications in different ASEAN ecosystems in Southeast Asian countries, Japan, China, and Korea. Dr. Amoroso is working with colleagues at twelve Japanese, fifteen Chinese, and six Philippine universities to understand innovation processes in organizations, in addition to consumer adoption. Dr. Amoroso has been on the editorial board of key journals and has written five books, published in 121 refereed academic journals and over 70 conferences in the past 30 years.

In consulting, Dr. Amoroso is Founder and CEO of Axcell LLC Consulting Group, with over 25 years of consulting, mentoring, seminars, and facilitation in the spaces of leadership, innovation and strategy. Organizations that want to break the competitive boundary in their industry consult with Dr. Amoroso, especially in the area of big data and analytics, innovation and design thinking, and strategic planning with Blue Ocean Strategy. He coaches and mentors over 65 executives and has been working with organizations to establish portfolio management offices (PMO) and has mentored 207 aspiring CIOs in multiple countries.

Biological Engineering & Biomedical Engineering & Chemical Engineering

Thursday, March 30, 2017

09:00-10:30

Room 221

Session Chair: *Cholid Badri*

APLSBE-819

Modeling of Artificial Mandible and Integrated Condylar Prosthesis Using Polyetheretherketone (PEEK) and Titanium Materials in Reconstructive Maxillofacial Surgery

Cholid Badri | *Universitas Indonesia*

Anwar Soefi Ibrahim | *Universitas Indonesia*

Benny Syarifsyah Latief | *Universitas Indonesia*

Sastra Kusuma Widjaj | *Universitas Indonesia*

Vincentius Sutarmo Setiadji | *Universitas Indonesia*

APLSBE-814

Optimum Criteria for Intrusion of a Maxillary Central Incisor in Lingual Orthodontics: A Numerical Study

Abhishek M. Thote | *Visvesvaraya National Institute of Technology, Nagpur, Maharashtra*

Rashmi Vikram Uddanwadiker | *Visvesvaraya National Institute of Technology, Nagpur, Maharashtra*

Krishna Sharma | *Sharad Pawar Dental College, Wardha, Maharashtra*

Sunita Shrivastava | *Sharad Pawar Dental College, Wardha, Maharashtra*

Gangadhar Navnage | *Visvesvaraya National Institute of Technology, Nagpur, Maharashtra*

ACEAIT-8405

Intelligent Electric Power Wheelchair for Physically and Mentally Disabled

Benchalak Muangmeesri | *Valaya Alongkorn Rajabhat University*

Dechrit M | *Rajamangala University of Technology*

Arom K | *Phamongkutklao Hospital*

Suthee P | *Phramongkutklao College of Medicine*

ACEAIT-8298

Thermal Instability Assessment of De-Lithiated Cathode Materials of Lithium Nickel Manganese Cobalt Oxide Reacted with Electrolytes

Hao-Hsin Yu | *National United University*

Yu-Ling Chen | *National United University*

Chen-Shan Kao | *National United University*

Yih-Shing Duh | *National United University*

ACEAIT-8308

Thermal Runaway Hazards Study of Commercial High Capacity 26650 Lithium-Ion Batteries by Confinement Test

Jia-Hui Jeng | *National United University*

Chen-Shan Kao | *National United University*

Yih-Shing Duh | *Jen-Teh Junior College of Medicine, Nursing and Management*

Yu-Ling Chen | *National United University*

ACEAIT-8343

Highly Efficient Capture of Bladder Epithelial Cancer Cells by Stretched Polycarbonate Nanopillars

Wen-Huei Chang | *National Pingtung University*

Shang-Hui Yu | *National Cheng Kung University*

Yi-Chun Chiu | *Taipei City Hospital*

Yi-Jui Chen | *National Cheng Kung University*

Zi-Yi Yang | *National Cheng Kung University*

Chih-Chia Huang | *National Cheng Kung University*

Chun-Hung Lin | *National Cheng Kung University*

Politics & Law

Thursday, March 30, 2017

09:00-10:30

Room 222

Session Chair: Preechaya Kittipaisalsilpa

ICBASS-8634

The Quest of Finding Chinese International Relations Theory

Preechaya Kittipaisalsilpa | *Rangsit University*

ICBASS-8687

The Significance of Setting Standards and Criteria of Civil Servants Neutrality in Indonesia Local Government

Tedi Sudrajat | *Universitas Jenderal Soedirman*

ICBASS-8700

Tenure Rights over Land in Indonesia by Foreign Capital Investing Companies in the Globalization Era

Sri Wahyu Handayani | *Jenderal Soedirman University*

ICBASS-8747

Classification and Formulation of Regional Law Products Based on Suitability of Legislation Type, Hierarchy, and Content Material

Abdul Aziz Nasihuddin | *Jenderal Soedirman University*

Tedi Sudrajat | *Jenderal Soedirman University*

Sri Wahyu Handayani | *Jenderal Soedirman University*

ICBASS-8579

Why Does Japan Give Aid to Post-War Sri Lanka? : A Constructivist Interpretation

Sandya Nishanthi Gunasekara | *Griffith University*

ICBASS-8635

Doctrinal Principles and Policy Goals in Ostensible Authority

Ji Lian Yap | *University of Hong Kong*

Communication & Society

Thursday, March 30, 2017

09:00-10:30

Room 223

Session Chair: *Kanchana Chokriensukchai*

ICBASS-8650

The Perception of Thai Cultural Tourism of Cambodia and Malaysia

Kanchana Chokriensukchai | *The University of the Thai Chamber of Commerce*

ICBASS-8729

Intercultural Communication Affecting Intercultural Adaptation Process of Chinese Students at Khon Kaen University

Worapong Khuibut | *Khon Kaen University*

Walee Preechapanyakul | *Khon Kaen University*

ICBASS-8641

Digital Magazine Adoption, Purchase Intention in Thailand

Rattanawadee Nakwanit | *University of the Thai Chamber of Commerce*

ICBASS-8730

Development Guidelines for Digital TV Programs required by Thai Youth

Walee Preechapanyakul | *Khon Kaen University*

ICBASS-8673

Modality in Tharu: A Comparative Perspective

Krishna Prasad Paudyal | *Tribhuvan University*

ICBASS-8735

Comparison of Language Usage in News Reports of Sexual Orientation in Thai Printed Media and Online Media

Wattanee Phoovatis | *Bangkok University*

Education (1) & Culture

Thursday, March 30, 2017

10:50-11:50

Room 222

Session Chair: *Marilyn Somera Luzano*

ICBASS-8636

Methods and Languages Used by The Contractual Teachers and Its Effects to the Learners

Marilyn Somera Luzano | *Isabela State University Roxas Campus*

Mark-Jhon Ramos Prestoza | *Isabela State University Roxas Campus*

ICBASS-8603

Teacher's Personal Qualities for Building a Good Teacher-Student Relationship in a Vocational Institute

Annie Winnie Cheng | *Vocational Training Council*

Lau Wing Yee | *Vocational Training Council*

ICBASS-8690

The Effects of Counseling-Based Teaching Method on Physics Learning Achievements of Upper Secondary School Students: Focuses on Writing Down a Self-note and Summarizing Techniques

Anon Ua-Umakul | *Rangsit University*

Ruja Pholsward | *Rangsit University*

ICBASS-8686

The Process and Effectiveness of Developing a School Featured Curriculum—A Case Study of the “Muzha Small Warriors” Curriculum in Taipei City Muzha Elementary School

Hsiu-Chin Lin | *Taipei Municipal Muzha Elementary School*

Ching-Chen Yang | *Taipei Municipal Muzha Elementary School*

Shu-Lan Wang | *Taipei Municipal Muzha Elementary School*

Hsin-Ling Wang | *Taipei Municipal Muzha Elementary School*

Guai-Shin Shiu | *Taipei Municipal Muzha Elementary School*

Marketing & Management (1)

Thursday, March 30, 2017

10:50-11:50

Room 223

Session Chair: *Hwee Ling Lim*

ICBASS-8569

How to Implement Successful E-Government: Case Study of Sultanate of Oman

Muatasim Al Salmi | *Universiti Utara Malaysia*

Shahimi Mohtar | *Universiti Utara Malaysia*

Norlena Hasnan | *Universiti Utara Malaysia*

ICBASS-8571

Entrepreneurial Orientation and Corporate Entrepreneurship: Multilevel Evidence

Yi-Ying Chang | *National Taiwan University of Science and Technology*

Che-Yuan Chang | *National Taiwan University of Science and Technology*

ICBASS-8594

Organizational and Individual Knowledge Transfer Barriers: Perspectives of Emirati and Expatriate Workers in the UAE

Hwee Ling Lim | *Petroleum Institute*

ICBASS-8633

Minimum Error Parts and Re-Setup Timing on Cold Forming Tools in Fastener Manufacturing Management

Yemming J. Chen | *National Kaohsiung First University of Science and Technology*

Hsin-Wen Kuo | *National Kaohsiung First University of Science and Technology*

Mechanical Engineering and Technology (1)

Thursday, March 30, 2017

13:00-14:30

Room 221

Session Chair: *Lih-Wu Hourng*

ACEAIT-8357

Design of a Synchronous Servo Match Controller by Genetic Algorithms with Various Loads on a Pantograph Type XY Platform

Yi-Hua Fan | *Chung Yuan Christian University*

Ching-En Chen | *Chung Yuan Christian University*

Hung-Wen Liao | *Chung Yuan Christian University*

Liao-yong Luo | *Chung Yuan Christian University*

ACEAIT-8317

The Investigation of Optimal Parameters in Through-Mask Electrochemical Drilling

Lih-Wu Hourng | *National Central University*

Wei-Rom Huang | *National Central University*

Zhi-Wen Fan | *Metal Industries Research and Development Centre*

ACEAIT-8254

Measurement and Compensation Strategy for Location Errors of Rotary Axes of Five-Axis Machine Tool

Wang Hai | *Ming Chi University of Technology*

Nhan Nguyen Huu | *Ming Chi University of Technology*

ACEAIT-8366

A Novel Sampled-Data Stabilization Condition for a Class of T-S Fuzzy Time-Delay System

Shun-Hung Tsai | *National Taipei University of Technology*

Chih-Yang Jen | *National Taipei University of Technology*

ACEAIT- 8371

Indoor Air Environment of a Shopping Centre Carpark: CFD Ventilation Study

Rafat Al-Waked | *German Jordanian University*

Education (2) & Culture

Thursday, March 30, 2017

13:00-14:30

Room 222

Session Chair: *Mei-Shiu Chiu*

ICBASS-8746

An Experimental Observation of 'Empirical Knowledge' Transmission in a Japanese Manufacturing Company

Chengning Yang | *Nagoya University*

ICBASS-8749

Perspectives of the Technology and Engineering Workforce in the Philippines to 2020

Gamaliel G. Gonzales | *Cebu Technological University*

Roselyn R. Gonzales | *Cebu Technological University*

ICBASS-8779

A Study on Real-Time Camera Image Transmission for Local Tourism and Related Promotion at Public Facilities under the HIT Student Challenge Project

Kouji Shibata | *Hachinohe Institute of Technology*

Kazuma Hanada | *Hachinohe Institute of Technology*

Hidehiro Seki | *Hachinohe Institute of Technology*

ISEPST-126800

Formation of Students' Abilities and Needs in Proof by Means of Software

Nodelman Vladimir | *HIT-Holon Institute of Technology*

ISEPST-126805

Adolescent Achievement Growth: Roles of Parenting, Gender and Socioeconomic Status

Mei-Shiu Chiu | *National Chengchi University*

ISEPST-126845

Development of a Student Engagement and Residential Learning Scale (SEARLS)

Mary Ann Gina Mercado Valderrama | *University of the Philippines*

Marketing & Management (2)

Thursday, March 30, 2017

13:00-14:30

Room 223

Session Chair: *Donald L. Amoroso*

ICBASS-8572

CSR Perceptions on Consumers' Repurchase Intention: Comparison of Japan, China, and the United States

Donald L. Amoroso | *Auburn University Montgomery*

Francis Roman | *Asian Institute of Management*

ICBASS-8748

Fundamental Problems Faced by the Home-Based Industries in Jember Regency

Isti Fadah | *University of Jember*

Handriyono | *University of Jember*

ICBASS-8742

A DEA Ranking Method Based on Cross-Efficiency Measures

Shiang-Tai Liu | *Vanung University*

ICBASS-8684

Aviation Business Opportunities in Order to Expand Product of Sharia Tourism in Indonesia

Dewi Rekno Ulansari | *Universitas Airlangga*

Lidya Victorya Pandiangan | *Universitas Airlangga*

ICBASS-8800

A Comparative Study of Labor Capabilities in ASEAN

Tuangrat Wasa | *Thammasat University*

Rewadee Narmthongdee | *Thammasat University*

ICBASS-8741

A Correlational Study on the Level of Critical Thinking Skills and Academic Performance of Senior Bsba Students in the College Of Management and Technology of Centro Escolar University-Malolos, Philippines

Nilo V. Francisco | *Centro Escolar University-Malolos*

Jay-Arr C. Tayao | *Centro Escolar University-Malolos*

Marcos Y. Lopez | *Centro Escolar University-Malolos*

Mary Eugene P. Malonzo | *Centro Escolar University-Malolos*

Penelope Ann F. Sampana | *Centro Escolar University-Malolos*

Civil Engineering & Materials Science and Engineering

Thursday, March 30, 2017

14:50-16:20

Room 221

Session Chair: *Wanawan Pragot*

ACEAIT-8395

Seismic Collapse Assessment of Base-Isolated Reinforced Concrete Buildings

Satish Bhagat | *Tokyo Institute of Technology*

Anil C. Wijeyewickrema | *Tokyo Institute of Technology*

ACEAIT-8442

Thermal Performance of Rice Husk Mud Brick Wall

Wanawan Pragot | *University of Phayao*

Chatchapol Somboon | *University of Phayao*

Tawatchai Pasakoon | *University of Phayao*

ACEAIT-8373

Analysis of the Global Walkability Index for Planning Pedestrian Facilities in Bangkok

Usanee Raha | *Ramkhamhaeng University*

ACEAIT-8359

Dependence of Deposition Time and Deposition Temperature on Electrical Properties of ZnO/SnS Heterojunction Prepared by ECD and CBD Method

Siti Hajar Aiyshah Yunus | *Universiti Tun Hussein Onn Malaysia*

M.Z. Sahdan | *Universiti Tun Hussein Onn Malaysia*

M. Ichimura | *Nagoya Institute of Technology*

A. Supee | *Universiti Teknologi Malaysia*

M.S. Rahim | *Universiti Tun Hussein Onn Malaysia*

ACEAIT-8477

Steel Reinforced Engineered Cement-Based Composites under Cyclic Loading

Chung-Chan Hung | *National Cheng Kung University*

Wei-Ming Yen | *National Cheng Kung University*

ACEAIT-8321

**XRD and Raman Study on the Effects of Post-Annealing Temperature of TiO₂ Thin Films
Deposited by RF Magnetron Sputtering**

S. A. Abdullah | *Universiti Tun Hussein Onn Malaysia*

M. Z. Sahdan | *Universiti Tun Hussein Onn Malaysia*

N. Nafarizal | *Universiti Tun Hussein Onn Malaysia*

H. Saim | *Universiti Tun Hussein Onn Malaysia*

Cik Rohaida C. H | *Malaysian Nuclear Agency*

K. Y. Kok | *Malaysian Nuclear Agency*

F. Adriyanto | *Sebelas Maret University*

S. N. M. Tawil | *Universiti Pertahanan Nasional Malaysia*

Education (3)

Thursday, March 30, 2017

14:50-16:20

Room 222

Session Chair: *NG Wai Kit Paul*

ISEPST-126811

Movies for Mobile Phone in Which Virtual High School Students Teach Mathematics

Kazuhisa Takagi | *National Institute of Technology*

ISEPST-126812

Analysis on Impacts of Human Resource Management Measures on the Motivation of School Teachers in Hong Kong

NG Wai Kit Paul | *City University of Hong Kong*

ISEPST-126830

A Study on Career Self-Efficacy of Taipei Elementary School Students in Grade 6

Fei-Yu Hsu | *University of Taipei*

ISEPST-126835

Impact of a Teacher's Vertical Leadership on Students' Shared Leadership

Tomohiro Ioku | *Osaka University*

Naoki Kugihara | *Osaka University*

ICBASS-8658

Languages Pronouncer Agglomeration in Indonesia Using Neighborhood Spatial Statistics and Clustering Analysis

Satibi Mulyadi | *Universitas Islam Indonesia*

Rino Umi Kharomah | *Universitas Islam Indonesia*

Muhammad Muhajir | *Universitas Islam Indonesia*

Business (1) & Economics (1)

Thursday, March 30, 2017

14:50-16:20

Room 223

Session Chair: *Y. Lakshmi Malroutu*

ICBASS-8711

Jember Fashion Carnival Event Contributes in Improving Business Performance in the District of Jember

Yuris Maulana Akhmad | *Univercity of Jember*

ICBASS-8618

Minority Entrepreneurs' Characteristics and Business Challenges in the U.S

Diane M Masuo | *University of Hawaii*

Yamini L Malroutu | *California State University, Sacramento*

ICBASS-8642

The Analysis of Service Innovation Strategies for Unused Space Based on IOA-NRM Approach

Chia-Li Lin | *Shih Chien University*

ICBASS-8651

A Comparison of Hedging Strategies and Effectiveness: Evidence from the Thai Gold Futures Market

Thitivadee Chaiyawat | *Chulalongkorn University*

Patcharaporn Chokchaiseree | *Bank of Thailand*

ICBASS-8653

Technology Based Business Incubator in Indonesia: Capacities and Performances

Hardiana | *University of Indonesia*

Hera Susanti | *University of Indonesia*

ICBASS-8679

Social Responsibility of Small, Family Owned Farms in California

Y. Lakshmi Malroutu | *California State University, Sacramento*

Computer Engineering and Technology & Information

Engineering and Technology

Friday, March 31, 2017

09:00-10:30

Room 221

Session Chair: *Chun-Hung Cheng*

ACEAIT-8292

Display Food Calorie by Using Image Processing Method

Chomtip Pornpanomchai | *Mahidol University*

Kritapol Jantapalaboon | *Mahidol University*

Rattasart Pankanoon | *Mahidol University*

Apisorn Hansapinyo | *Mahidol University*

ACEAIT-8340

Research on Hand Gesture Recognition Using Convolutional Neural Network

Tian Zhaoyang | *City University of Hong Kong*

Cheng Lee Lung | *City University of Hong Kong*

ACEAIT-8430

Bayesian Approach to Perceptual Edge Preservation in Computer Vision

Ren-Jie Huang | *National Taiwan Ocean University*

Jung-Hua Wang | *National Taiwan Ocean University*

Chun-Shun Tseng | *Ship and Ocean Industries R&D Center (SOIC)*

ACEAIT-8249

Traceability Analytics for Healthcare Operations

Chun-Hung Cheng | *The Chinese University of Hong Kong*

Dorbin Tobun Ng | *The Chinese University of Hong Kong*

Environmental Engineering & Geology, Earth and Environmental Sciences

Friday, March 31, 2017

09:00-10:30

Room 222

Session Chair: *Sanhawat Chaiwong*

ACEAIT-8314

Effect of Nano-SiO₂ on the Alkali-Activated Characteristics of Spent Catalyst Metakaolin-Based Geopolymers

Kang-Wei Lo | *National Taipei University of Technology*

Kae-Long Lin | *National Ilan University*

Ta-Wui Cheng | *National Taipei University of Technology*

Ju-Ying Lan | *National Ilan University*

ACEAIT-8436

Combination of Ozonation and Ceramic Ultrafiltration for the Control of Membrane Fouling

Ching-Jung Chen | *National Pingtung University of Science and Technology*

Ya-Hsuan Wang | *National Pingtung University of Science and Technology*

Kuan-Chung Chen | *National Pingtung University of Science and Technology*

ACEAIT-8441

Effects of Chemical Factors on the Treatment of 17alpha-methyltestosterone (MT) in Aqueous Solution by Hydrogen Peroxide Coupled with UV-C Process

Suksan Koksatan | *University of Phayao*

Supreda Homklin | *University of Phayao*

ISFAS-1741

Consumptive Behavior Related to Urinary Fluoride among Village Health Volunteers (VHVs)

Sanhawat Chaiwong | *University of Phayao*

Supoj Chamnanprai | *Intercountry Centre for Oral Health Chaing Mai*

Yotthanan Lanak | *Thunghuachang Hospital Lumphun*

Lakana Sriboonwong | *Suan Dusit University*

Banking & Finance & Business (2) & Economics (2)

Friday, March 31, 2017

09:00-10:30

Room 223

Session Chair: *Chih-Yung Lin*

ICBASS-8755

The Influence of Risk Culture on Firms' Returns in Times of Crisis

Chih-Yung Lin | *Yuan Ze University*

Dien Giau Bui | *National Taiwan University Yuan Ze University*

ICBASS-8703

Stock Feature Extraction from Trend Lines Generated by Hough Transform Method

Parisut Jitpakde | *Omicron Laboratory*

Niran Pravithana | *Omicron Laboratory*

Bunyarit Uyyanonvara | *SIIT, Thammasart University*

ICBASS-8688

IP Practice of Creative Professionals Living and Working in a 'Foreign' Country

Fangyan Tang | *University of Nottingham Ningbo China*

Sue Cobb | *University of Nottingham (UK)*

Xu Sun | *University of Nottingham Ningbo China*

Effie Law | *University of Leicester*

Rob Edlin-White | *University of Leicester*

Qingfeng Wang | *University of Nottingham Ningbo China*

Xiaosong Zhou | *University of Nottingham Ningbo China*

ICBASS-8695

Do the Ritual Dimension of Consumer Behavior and Religion Play Their Role in Innovation of Family Firm?

Susminingsih | *University Islam Pekalongan*

K. Chandra Kirana | *Sarjanawiyata Tamansiswa University*

Sri Hermuningsih | *Sarjanawiyata Tamansiswa University*

Imam Kanafi | *University Islam Pekalongan*

ICBASS-8739

**Collaboration between University and Industry under the “RAPID” Program:
Perceptual Studies**

Mutiara Saputro | *Universitas Indonesia*

Hera Susanti | *Universitas Indonesia*

ICBASS-8751

**The Influence of Cooperation, Competition, and Coopetition Networks on Firms’
Innovation**

Kuen-Shiou Yang | *Asia University*

Mechanical Engineering and Technology (2)

Friday, March 31, 2017

10:50-11:50

Room 221

Session Chair: *John P.T. Mo*

ACEAIT-8319

The Optimum Study on Mechanical Properties of Self-Drilling Tapping Screws with Carbonitriding Operation

Chih-Cheng Yang | *Kao Yuan University*

His-Cheng Liu | *Kao Yuan University*

ACEAIT-8329

Mechanical Feature Analysis and Test Method with the Micro Flexible Vertical Type Probes

Hai Wang | *Ming Chi University of Technology*

Ssu Wei Chang | *Ming Chi University of Technology*

Yue Chi Shi | *Ming Chi University of Technology*

ACEAIT-8344

Reliability Analysis of Wind Turbine Using Bond Graph

John P.T. Mo | *RMIT University*

Daniel Chan | *RMIT University*

Fundamental Sciences & Nanotechnology

Friday, March 31, 2017

10:50-11:50

Room 222

Session Chair: *Ahmad Salihin Bin Samsudin*

ISFAS-1737

Investigation on Electrical Conduction Mechanism of Plasticized Carboxymethyl Cellulose-NH₄Br Solid Bio-Polymer Electrolytes

Ahmad Salihin Bin Samsudin | *Universiti Malaysia Pahang*

Mohd Ikmar Nizam Bin Mohamad Isa | *Universiti Malaysia Terengganu*

ISFAS-1719

Temperature-Responsive Refractive-Index Change Materials; Synthesis and Properties of Hyperbranched Poly (*N*-Isopropylacrylamide)

Ominami Seiichi | *Kansai University*

Hiroto Kudoh | *Kansai University*

ISFAS-1720

Tellurium Containing Resist Materials for Extreme Ultraviolet (EUV) Lithography

Mari Fukunaga | *Kansai University*

Hiroya Takeda | *Kansai University*

Hiroto Kudo | *Kansai University*

Agricultural Engineering and Technologies

Friday, March 31, 2017

10:50-11:50

Room 223

Session Chair: *Charatchai Yenphayab*

ISFAS-1721

Bio-Hydrogen Production from *Rhodopseudomonas pentothentaxigens* KKU-SN1/1 under Natural Light

Netchanok Punriboon | *Khon Kaen University*

Jutaporn Sawaengkaew | *Khon Kaen University*

Polson Mahakhan | *Khon Kaen University*

ISFAS-1729

Investigate the Design Parameters of a Centrifugal Disc by the Tangential and Cylindrical Distribution Pattern Apparatus

Charatchai Yenphayab | *King Mongkut's Institute of Technology Ladkrabang Prince of Chumphon Campus*

Pongsak Krittayapornpong | *King Mongkut's Institute of Technology Ladkrabang Prince of Chumphon Campus*

ISFAS-1736

Effect of Rice Bran Albumin Hydrolysate on Tyrosinase Inhibition and Copper Chelating Activity

Supatcha Kubglomsong | *Kasetsart University*

Chockchai Theerakulkait | *Kasetsart University*

Electrical Engineering and Technology

Friday, March 31, 2017

13:00-14:30

Room 221

Session Chair: *Robert Rieger*

ACEAIT-8330

Synthesis and Characterization of TiO₂ Thin Film for Application in P3HT: PCBM Organic Solar Cell

Muhammad Suffian A Rahim | *Universiti Tun Hussein Onn Malaysia*

Mohd Zainizan Sahdan | *Universiti Tun Hussein Onn Malaysia*

N.D.M. Said | *Universiti Tun Hussein Onn Malaysia*

S.H.A. Yunus | *Universiti Tun Hussein Onn Malaysia*

J. Lias | *Universiti Tun Hussein Onn Malaysia*

ACEAIT-8337

Optical Steganography on Stealth CDMA Signals Transmitted over Public BPSK Channel

Chun-Chieh Liu | *National Cheng Kung University*

Wen-Zong Zhang | *National Cheng Kung University*

Chi-Ta Yen | *National Formosa University*

Jen-Fa Huang | *National Cheng Kung University*

ACEAIT-8294

A Slot Antenna with Dual-Band Notched for UWB Applications

Chia Hao Ku | *Ming Chi University of Technology*

Ting Rui, Zhang | *Ming Chi University of Technology*

Ming An Chung | *Quanta Computer Inc.*

ACEAIT-8345

A Fan-Shaped Monopole Antenna for UWB Applications with Dual-Bands Rejection

Chia-Hao Ku | *Ming Chi University of Technology*

Jhih-Heng Yu | *Ming Chi University of Technology*

Ming-An Chung | *Quanta Computer Inc., Taiwan*

ACEAIT-8216

**Experimental Implementation of P&O MPPT Algorithm for PV Module Using
Microcontroller**

Tarek M. El-Sayed | *Electronics Research Institute Cairo*

Abd El-Shafy A. Nafeh | *Electronics Research Institute Cairo*

Faten H. Fahmy | *Electronics Research Institute Cairo*

Hosam K. Yousef | *Cairo University*

Life Sciences

Friday, March 31, 2017

13:00-14:30

Room 222

Session Chair: *Intan Safinar Ismail*

APLSBE-869

Intermediate State of *Eco*-MscL from Structure Model and Dynamics Investigation Using Epr Data and MD Simulations

Jarewat Jakmunee | *Kasetsart University Sriracha Campus*

Pornthep Sompornpisut | *Chulalongkorn University*

APLSBE-820

Effects of Microenvironment on Protein Dynamics of AQPZ

Xin Shan Lim | *National University of Singapore*

Zhou Hu | *National University of Singapore*

Lili Wang | *National University of Singapore*

Ganesh Srivarasan Anand | *National University of Singapore*

Qingsong Lin | *National University of Singapore*

APLSBE-834

Contrasting Effects of *Orthosiphon stamineus* Leaf Extracts in Cisplatin Induced Nephrotoxicity Identified by ¹H NMR Spectroscopy

Raghunath Pariyani | *Universiti Putra Malaysia*

Amalina azam | *Universiti Putra Malaysia*

Faridah Abas | *Universiti Putra Malaysia*

Khozirah Shaari | *Universiti Putra Malaysia*

Intan Safinar Ismail | *Universiti Putra Malaysia*

APLSBE-812

Formulation of Mixed Extracts of *Tephrosia vogelii* and *Piper aduncum*

Eka Candra Lina | *Andalas University, West Sumatera, Indonesia*

Dadang | *Bogor Agricultural University*

Syafrida Manuwoto | *Bogor Agricultural University*

Gustini Syahbirin | *Bogor Agricultural University*

APLSBE-890

Estimation of Human Telomeres Shortening Using a Novel Target Enrichment NGS Approach

Saeed G. Alghamdi | *Riyadh Police*

Poster Session (1)

Computer Engineering and Technology / Electrical

**Engineering and Technology / Information Engineering and
Technology**

Thursday, March 30, 2017

09:30-10:30

Room 225

ACEAIT-8241

Collaborative Filtering Based on Google Similarity

Yen-Liang Chen | *National Central University*

ACEAIT-8370

Big Data Analytics to Optimize the Air Quality Sampling Sites

Yueh Wu | *National Ilan University*

Tin-Yu Wu | *National Ilan University*

Yu-Neng Hung | *National Ilan University*

ACEAIT-8372

The Development and Analysis of Elementary School Quadrilateral Teaching Aids

Hui-Wen Liao | *Ling Tung University*

ISFAS-1734

A Delay-Time Model for Software Reliability Analysis

Jung-Hua Lo | *Fo-Guang University*

ACEAIT-8300

On the ANN Used for Predicting the Yield Rate of a DRAM Manufacturing Process

Chun-Wei Chang | *Chang Gung University*

Shin-Yeu Lin | *Chang Gung University*

ACEAIT-8423

A Multi-Output Sources SEPIC with ZVS Techniques

Cheng-Tao Tsai | *National Chin-Yi University of Technology*

Neng-Sheng Pai | *National Chin-Yi University of Technology*

Ying-Che Kuo | *National Chin-Yi University of Technology*

Yung-Chang Luo | *National Chin-Yi University of Technology*

Ying-Piao Kuo | *National Chin-Yi University of Technology*

Wen-Cheng Pu | *National Chin-Yi University of Technology*

Jye-Chau Su | *National Chin-Yi University of Technology*

ACEAIT-8391

Modeling and Implementation of High-Gain Switched-Capacitor-Inductor-Based Boost DC-AC Inverter

Yuen-Haw Chang | *Chaoyang University of Technology*

Yu-Kai Lin | *Chaoyang University of Technology*

ACEAIT-8350

CMOS Integrated 8-bit DAC with Truly Floating Output towards Nerve Emulator Application

Mochammad Rif'an | *National Sun Yat-Sen University*

Chih-Ting Chang | *National Sun Yat-Sen University*

Robert Rieger | *National Sun Yat-Sen University*

ACEAIT-8475

Rate Analysis of Massive MIMO System Using Stochastic Geometric Model

Shichao Feng | *Beijing University of Technology*

Sihan Luo | *Beijing University of Technology*

Tianli Cui | *Beijing University of Technology*

ACEAIT-8351

Repetitive Patterns of Smartphone Banking

Hyo-Joong Suh | *The Catholic University of Korea*

ACEAIT-8333

A Study of Applying Aesthetic Measurement on Matching Product Image and Skin Colors

Shih-Wen Hsiao | *National Cheng Kung University*

Shih-Ting Fu | *National Cheng Kung University*

ACEAIT-8419

Application of Combined Feature-Based Classifier and Centroid Neural Network to Detection of Disturbance Signals

Dong Chul Park | *Myongji University*

Keun Park | *Myongji University*

ACEAIT-8387

Using PSO Approach to Study the Periodic Routing Problem

Yi-Chih Hsieh | *National Formosa University*

Yung-Cheng Lee | *WuFeng University*

Peng-Sheng You | *National ChiaYi University*

Pei-Ju Lee | *National Chung Cheng University*

ACEAIT-8218

The Production of Dark Parboiled Rice Using Germination Process and Fluidized Bed Drying

Thatchapol Chungcharoen | *King Mongkut's Institute of Technology Ladkrabang*

ACEAIT-8316

Extreme Multivariate Least Squares Support Vector Regression

Kang-Mo Jung | *Kunsan National University*

Poster Session (2)

Education & Culture / Communication & Society / Marketing & Management / Psychology

Thursday, March 30, 2017

11:00-12:00

Room 225

ISEPST-126813

Action Research on Using Microteaching to Improve the Teaching Demonstration Skills of Student Teachers

Ya Feng Cheng | *University of Kang Ning*

Pei Yu He | *Minghsin University of Science and Technology*

Xin Yi Huang | *Minghsin University of Science and Technology*

ISEPST-126820

That Magical Power: High School Students' Camping Service Experiences and Self-Concept Development

Wan-Chen Li | *National Dong Hwa University*

Mei-Ying Chien | *National Dong Hwa University*

ISEPST-126829

Logic of Class Practices and Parental Involvement of Early Childhood Education: A Field Analysis of Kindergarten with Working Class Background

Yin-Kun Chang | *National Cheng-Chi University*

ISEPST-126833

The Image of "Good Child" in Kindergarten- A Study of Comparative Ethnography in Kindergartens between Beijing and Taipei

Xiaoshu Liu | *National Chengchi University*

Yutang Hu | *National Chengchi University*

Chunjou Chen | *National Chengchi University*

ISEPST-126832

Inquiry of the Power Relation between Adults and Children: Issues of Same-Sex Marriage and ADHD in the Kindergarten as Examples

An-Yun Jeng | *National Chengchi University*

Ming-Ting Chang | *National Chengchi University*

ICBASS-8648

Family Life between Traditional Mother-in-Law and Modern Daughter-in-Law

Yu-Chun Liang | *Chaoyang University of Technology*

ICBASS-8669

Using Time-Lapse Photography for Environmental Education and Flipped Learning — A Case Study on the Marine Ecology Primary School in Tainan Taiwan

Chih-Peng Lin | *Taiwan Shoufu University*

Chih-Chuan Chen | *Taiwan Shoufu University*

ICBASS-8696

An Investigation of Covariates Effects in PISA Reading Assessment: An Application of Explanatory Cognitive Diagnostic Model

Su-Pin Hung | *National Cheng Kung University*

Hung-Yu Huang | *University of Taipei*

ICBASS-8754

Learning Art: Older Adult's Need for the Instructor

Chiharu Yasuzato | *Kobe University*

ICBASS-8798

An Action Research Study of Pre-Service Principals' Participation in Elementary School Principal Selection in Taiwan

Yu-Sheng Lee | *Taipei Municipal Muzha Elementary School*

Ming-Ta Chuang | *Taipei Municipal Muzha Elementary School*

Po-Chien Chang | *Taipei Municipal Muzha Elementary School*

Hsiu-Chin Lin | *Taipei Municipal Muzha Elementary School*

ICBASS-8662

Current Image of China

Thomas Chiang Blair | *Asia University*

Chia-Chun Lin | *Southern Taiwan University of Science and Technology*

Wei-Chen Yang | *Southern Taiwan University of Science and Technology*

Ya-Chieh Lee | *Shih Chien University*

ICBASS-8666**Picture Book Design for Special Education Teaching Materials**

Li-Mei Chen | *Tainan University of Technology*

I-Jhen Chou | *Chungyu Institute of Technology*

Yi-Han Lin | *Tainan University of Technology*

Tzu-Ping Lin | *Tainan University of Technology*

Pei-Yi Haung | *Tainan University of Technology*

ICBASS-8667**Research on Interactive Infographics Using a Technology Acceptance Model**

Sheng-Wen Wang | *Tainan University of Technology*

Tzu-Fan Hsu | *Chung Yuan Christian University*

Po-Nien Chen | *Ming Chuan University*

ICBASS-8672**Black-and-White or Colorful? Moderation of Advertising Color Tone and Voter Party Preference on Effectiveness of Negative Campaign Advertising**

Hsuan-Yi Chou | *National Sun Yat-Sen University*

Yen-Ting Chiang | *National Sun Yat-Sen University*

ICBASS-8646**The Oral History of Alishan Forest Railway Staffs in Chiayi Jhuci**

Pei-Chi Su | *Southern Taiwan University of Science and Technology*

ICBASS-8629**Using Miryoku Engineering to Investigate the Attractiveness Factors of a New Sangria Product**

Wei-Chen Yang | *Southern Taiwan University of Science and Technology*

Chia-Chun Lin | *Southern Taiwan University of Science and Technology*

Thomas Blair Chiang | *Asia University*

ICBASS-8630**Using Miryoku Engineering to Investigate the Attractiveness Factors of Taiwanese Traditional Laundromat**

Chia-Chun Lin | *Southern Taiwan University of Science and Technology*

Wei-Chen Yang | *Southern Taiwan University of Science and Technology*

Wan-Rong Chen | *Southern Taiwan University of Science and Technology*

ICBASS-8632

The Loss Control Triangle Model of Taiwan Occupational Accidents

Yung-Feng Tang | *National United University*

Chen-Shan Kao | *National United University*

Yu-Ling Chen | *National United University*

Ching-Fen Tu | *Yu Da University of Science and Technology*

ISEPST-126815

The Relationship between Empathy and Self-Concept, and Theory of Mind

Jon-Fan Hu | *National Cheng Kung University*

Shu-Ling Peng | *National Cheng Kung University*

Poster Session (3)

Materials Science and Engineering / Biological Engineering / Biomedical Engineering / Chemical Engineering

Thursday, March 30, 2017

13:30-14:30

Room 225

ACEAIT-8362

Characterization of Spray-Deposited PEDOT: PSS Layer Treated by Ethylene Glycol

Kang-Hyun Yoo | *Inha University*

Young-Taek Lim | *Inha University*

Paik-Kyun Shin | *Inha University*

ACEAIT-8287

Impact Mechanical Properties and Microstructure of 7075-T6 Aluminium Alloy

Woei-Shyan Lee | *National Cheng Kung University*

Pao-Ting Liang | *National Cheng Kung University*

ACEAIT-8411

Relationship between Acoustic Signal and Grinding Efficiency of Alumina Ball Mill Process

Soo-Hyun Kim | *Kumoh National Institute of Technology*

Kyeong-Sik Cho | *Kumoh National Institute of Technology*

ACEAIT-8323

Effect of RGO on the Electrical and Humidity-Sensing Properties of a Nanocomposite Material of RGO and Poly (Diallyldimethylammonium Chloride)

Pi-Guey Su | *Chinese Culture University*

Ching-Hsuan Wei | *Chinese Culture University*

Feng-Yu Chen | *Chinese Culture University*

Hong-Ci Syu | *Chinese Culture University*

Wei-Hua Liao | *Chinese Culture University*

ACEAIT-8444

Ultrathin High-k/Metal Gate Multilayer Thin Films Thickness Evaluation by X-Ray Reflectivity and Electron Microscopy Technology

Guo-Dung Chen | *Industrial Technology Research Institute, Taiwan*

Bo-Ching He | *Industrial Technology Research Institute, Taiwan*

APLSBE-885

Simple Analysis of Sphingosine-1-Phosphate by Competitive ELISA Using Oriented Antibody

Myung Kyu Lee | *Korea Research Institute of Bioscience and Biotechnology*

Yeolin Lee | *University of Science and Technology*

APLSBE-893

Toward Free Labeling and Nondestructive Method for Detection Formalin-Preserved Catfish Meat

Bibin Bintang Andriana | *Kwansei Gakuin University*

Erwan Yudiar Darrusalam | *Kwansei Gakuin University*

Hidetoshi Sato | *Kwansei Gakuin University*

ACEAIT-8334

Generation and Characterization of Anti-CD19 Single Chain Antibodies

Yan-Ni Lo | *Taipei Medical University*

Chen-Wei Chiang | *Taipei Medical University*

Fu-Ling Chang | *Taipei Medical University*

Tsai-Yu Lin | *Taipei Medical University*

Yu-Ching Lee | *Taipei Medical University*

Keng-Chang Tsai | *Ministry of Health and Welfare*

ACEAIT-8342

Generation of Human Antibody against Hepatitis B Virus Surface Antigen by Phage Display Technology

Fu-Ling Chang | *Taipei Medical University*

Chen-Wei Chiang | *Taipei Medical University*

Yan-Ni Lo | *Taipei Medical University*

Tsai-Yu Lin | *Taipei Medical University*

Yu-Ching Lee | *Taipei Medical University*

Keng-Chang Tsai | *Ministry of Health and Welfare*

ACEAIT-8431

Effect of the Tensioning of Thoracolumbar Fascia for the Stability of Lumbar Spine: a Computational Analysis

Hae Won Choi | *Dankook University*

Young Eun Kim | *Dankook University*

Sang Kuy Han | *Korea Institute of Industrial Technology*

ACEAIT-8421

Paraspinal Muscle Atrophy Induced by Botulinum Toxin Causes Lumbar Degeneration in Lapine Model

Sang Kuy Han | *Korea Institute of Industrial Technology*

Young Eun Kim | *Dankook University*

Youngjeon Lee | *Korea Research Institute of Bioscience and Biotechnology*

Sang-Rae Lee | *Korea Research Institute of Bioscience and Biotechnology*

Kyu-Tae Chang | *Korea Research Institute of Bioscience and Biotechnology*

Keyoung Jin Chun | *Korea Institute of Industrial Technology*

ACEAIT-8393

The Numerical Simulation of CO₂ Rebreathing in CPAP Mask

Tzu-I Tseng | *National Applied Research Laboratories, Taiwan*

ACEAIT-8429

Fabrication and Application of Copper Nanoparticles/Chitosan/Graphene Oxide Composite

Shao-Jung Wu | *Ming Chi University of Technology*

Chih-Ying Chen | *Ming Chi University of Technology*

Kai-Wen Zheng | *Ming Chi University of Technology*

Mechanical Engineering and Technology

Thursday, March 30, 2017

15:00-16:00

Room 225

ACEAIT-8324

A Study of Specific Down Force Energy and Cutting Depth of Sapphire Substrate Affected by Different Dipping Temperatures of Slurry

Zone-Ching Lin | *National Taiwan University of Science and Technology*

Hao-Yang Ding | *National Taiwan University of Science and Technology*

Po-Yen Chen | *National Taiwan University of Science and Technology*

ACEAIT-8265

Numerical Simulation of Turbulent Flow Field and Heat Transfer in Channels with Mounted Obstacles

Yue-Tzu Yang | *National Cheng Kung University*

Le-Wei Chen | *National Cheng Kung University*

ACEAIT-8335

Hybrid Smoothed Particle Hydrodynamics / Differential Transform for Transient Heat Conduction Problems

Yinwei Lin | *National Cheng Kung University*

Chao-Kuang Chen | *National Cheng Kung University*

ACEAIT-8418

A Parameter Research on Using Relative Depth for 3D Feature Extraction

Seunghyun Song | *Korea University*

Minho Chang | *Korea University*

ACEAIT-8428

New Active 3D Reconstruction System for Precise Wide-Area Measurement

Euijeong Song | *Korea University*

Seokjung Kim | *Korea University*

Minho Chang | *Korea University*

ACEAIT-8426

3D Feature Detection Using 2D Images and Calibration Information

Keonhwa Jung | *Korea University*

Seokjung Kim | *Korea University*

Minho Chang | *Korea University*

ACEAIT-8260

Effect of Tube Diameter on Natural Convection Heat Transfer Characteristics for Vertical Finned Tube Heat Exchangers

Han-Taw Chen | *National Cheng Kung University*

Yu-Jie Chiu | *National Cheng Kung University*

ACEAIT-8374

Dispersion Analysis of Phononic Crystals Composed of Auxetic Honeycombs Matrix

Shu-Yeh Chang | *National Cheng Kung University*

Hsiang-Wen Tang | *National Cheng Kung University*

Lien-Wen Chen | *National Cheng Kung University*

ACEAIT-8358

Bloch Surface Wave Excitation via Phononic Crystal Waveguide Coupling

Tai-Yu Kung | *National Cheng Kung University*

Yun-Fei Wang | *National Cheng Kung University*

Lien-Wen Chen | *National Cheng Kung University*

ACEAIT-8438

Chatter Prediction in Milling: An Eigen-Analysis Approach

Jiunn-Jyh Wang | *National Ceng Kung University*

Chi-Fung Sung | *National Ceng Kung University*

ACEAIT-8352

Design of Gyroscopic Balancer with Servo Control for Two-Wheeled Vehicle

Cheng-Lun Wu | *Waseda University*

Harutoshi Ogai | *Waseda University*

ACEAIT-8364

Analysis for Bio-Heat Transfer with Transient Blood Temperature

Kuo-Chi Liu | *Far East University*

Po-Jeng Cheng | *Far East University*

Fong-Jou Tu | *Nan Jeon University*

ACEAIT-8326

Large Deflection Solutions of Beams Resting on Nonlinear Elastic Foundations with Nonlinear Elastic Restraints at One End

Chao-Kuang Chen | *National Cheng Kung University*

Li-Kuo Chou | *National Cheng Kung University*

Sen-Yung Lee | *National Cheng Kung University*

ACEAIT-8356

Design and Analysis of Tunable Photonic Crystal Devices Using Magneto-Optical Material Defects

Sheng-Pin Lin | *National Cheng Kung University*

Chia-Chin Tsai | *National Cheng Kung University*

Lien-Wen Chen | *National Cheng Kung University*

ACEAIT-8460

Study of Surface Microtexture Arrays Generation by Using Linkage Drive Mechanism

Shun-Tong Chen | *National Taiwan Normal University*

Wei-Yu Chou | *National Taiwan Normal University*

ACEAIT-8461

Efficient Formation of a Monocrystalline Diamond Probe with 1 μ m Tip-Radius by Using Spark-Induced Graphitization-Assisted Technique

Chien-Chih Chen | *National Taiwan Normal University*

Shun-Tong Chen | *National Taiwan Normal University*

Sheng-Yu Shih | *National Taiwan Normal University*

ACEAIT-8299

Fire Testing of Pressurized Vessels Containing Dangerous Goods

Frank Otremba | *BAM*

Life Sciences (1) / Nanotechnology

Friday, March 31, 2017

09:30-10:30

Room 225

APLSBE-827

Efficacy of Betel Leaf Extracts as antioxidant in Moisture Cream

Pornpimol Muangthai | *Srinakharinwirot University*

Patcharapun Ditsayamontri | *Srinakharinwirot University*

Nutchanard Tumtamai | *Srinakharinwirot University*

Thanawan Uaroon | *Srinakharinwirot University*

APLSBE-868

Investigations of Morphology, Surface Topography and Phylogenetic Tree Based on 18S rRNA Sequences of *Macrostomum cf. appendiculatum* (Turbellaria) from Thailand

Arin Ngamniyom | *Srinakharinwirot University*

Busaba Panyarachun | *Srinakharinwirot University*

Thayat Sriyapai | *Srinakharinwirot University*

Chamaiporn Yodkong | *Srinakharinwirot University*

APLSBE-835

Hypoglycemic and Antioxidative Effects of *Glossogyne tenuifolia* in Streptozotocin–Nicotinamide-Induced Diabetic Rats

Yi-Fa Lu | *Fu-Jen Catholic University*

Ruoh-Yuh Wang | *Fu-Jen Catholic University*

Jui-Hua Huang | *Fu-Jen Catholic University*

Guoo-Shyng Wang Hsu | *Fu-Jen Catholic University*

APLSBE-826

Functional Activities Recovery after Total Knee Replacement of the Elderly in Taiwan

Yueh-Fang Huang | *Chang Gung University of Science and Technology /*

Chang Gung Memorial Hospital

Shih-Tsang Tang | *Ming Chuan University*

Fu-Ling Chu | *Chang Gung University of Science and Technology*

Yea-Ing Lotus Shyu | *Chang Gung University*

APLSBE-851

Anti-Inflammatory Effect by *Planchonella obovata* in Raw 264.7 Cells via the Regulation of miR-146a.

Chang-Cheng Chen | *China Medical University*

Jing-Ru Weng | *National Sun Yat-sen University*

Shih-Chang Tsai | *China Medical University*

APLSBE-837

PLGA/Curcumin Nanoparticles Decorated with γ -PGA Enhancing Apoptotic Effects on Non-Small Cell Lung Cancer

Shu-Fen Peng | *China Medical University*

Hao-Yi Suen | *China Medical University*

Ya-An Tsai | *China Medical University*

Chi-Yun Lee | *China Medical University*

APLSBE-842

Low Level Laser Irradiation Enhances Vitamin C-induced Cell Growth Inhibition on B16F10 Cells

Li-Yen Shiu | *E-Da Cancer Hospital*

Yu-Han Chung¹ | *University of Atlanta*

S. Joseph-Huang | *University of South Florida*

Chun-Yen Huang | *E-Da Hospital*

Jui-Chi Lai | *I-Shou University*

You-Qi Wang | *I-Shou University*

Tzu-Wei Liu | *E-Da Cancer Hospital*

Jin-Jia Ye | *National University of Kaohsiung*

Ming-Feng Chen | *E-Da Hospital*

APLSBE-810

The Urate-Lowering Effects and Urate Nephropathy Protective Mechanisms of Pterostilbene by Autophagy Induction

Rong-Jane Chen | *Cheng Kung University*

Ying-Jan Wang | *Cheng Kung University*

APLSBE-817

Effect of SERPINE2 Express on Preimplantation Mouse Embryo Development

Chung-Hao Lu | *Mackay Memorial Hospital*

APLSBE-859

Tetrandrine Inhibits Epithelial-Mesenchymal Transition in Human Colorectal Cancer HCT116 Cells

Wei-Ze Wu | *China Medical University*

Shih-Chang Tsai | *China Medical University*

APLSBE-860

ITR-284 Inhibits Epithelial-to-Mesenchymal Transition in Human Breast Cancer Cells

Wei-Lin Wang | *China Medical University*

Shih-Chang Tsai | *China Medical University*

APLSBE-836

Co-Delivery of Gemcitabine and Curcumin by PLGA Nanoparticles Enhanced Apoptotic Effects on Pancreatic Cancer

Hao-Yi Suen | *China Medical University*

Chi-Yun Lee | *China Medical University*

Ya-An Tsai | *China Medical University*

Shu-Fen Peng | *China Medical University*

APLSBE-844

Augmented Effects of Apoptosis by 17-AAG Encapsuled PLGA Nanoparticles in Triple Negative Breast Cancer

Ya-An Tsai | *China Medical University*

Chi-Yun Lee | *China Medical University*

Hao-Yi Suen | *China Medical University*

Shu-Fen Peng | *China Medical University*

APLSBE-840

Apoptotic Effects Induced by Erlotinib-Loaded PLGA/PCL Nanoparticles in Non-Small Cell Lung Cancer

Chi-Yun Leeg | *China Medical University*

Ya-An Tsai | *China Medical University*

Hao-Yi Suen | *China Medical University*

Shu-Fen Peng | *China Medical University*

APLSBE-871

Ursolic Acid Suppressed Cell Migration and Invasion via ERK1/2 and MMP-2/-9 in Human Non-Small Cell Lung Cancer NCI-H292 Cells

Fu-Shin Chueh | *Asia University*

Yi-Wen Jiang | *China Medical University*

Jing-Gung Chung | *China Medical University*

APLSBE-858

Physical and Chemical Characteristics of Nata de Coco Mixed with Gac Fruit (*Momordica cochinchinensis*) Juice

Suthasinee Nilsang | *Valaya Alongkorn Rajabhat University*

APLSBE-864

Sheer Lipsticks from Anthocyanin and Beta-Carotene in Local Plants

Sasamol Phasuk | *Valaya Alongkorn Rajabhat University*

ISFAS-1709

Synthesis of NiAl-Layered Double Hydroxide Films and Their Dye-Removal Efficiency

Cheewita Suwanchawalit | *Silpakorn University Sanam Chandra Palace Campus*

Waranya Limprasart | *Silpakorn University Sanam Chandra Palace Campus*

Kritapas Laohhasurayotin | *National Nanotechnology Center (NANOTEC)*

ISFAS-1740

Towards Efficient ITO-Free Organic Optoelectronic Devices Using Highly Conductive PEDOT: PSS Transparent Electrodes

Joo Won Han | *Pukyong National University*

Yong Hyun Kim | *Pukyong National University*

Poster Session (6)

Life Sciences (2) / Agricultural Engineering and Technologies / Environmental Engineering / Geology, Earth and Environmental Sciences

Friday, March 31, 2017

11:00-12:00

Room 225

APLSBE-843

Lupeol Inhibits Cell Migration and Invasion via Modulation of NF-kappaB and PI3K/Akt Pathways in Human Osteosarcoma U-2 OS Cells

Ming-Jie Hsu | *China Medical University*

Wen-Wen Huang | *China Medical University*

Jing-Gung Chung | *China Medical University*

APLSBE-841

Co-Delivery of Genistein/L-asparaginase/PLGA Nanoparticles for Improving the Rapetic Effects in Leukemia HL60 Cells

Jing-Gung Chung | *China Medical University*

Shu-Fen Peng | *China Medical University*

Mei-Due Yang | *China Medical University Hospital*

Yung-Ting Hsiao | *China Medical University*

Yi-Wen Jiang | *China Medical University*

APLSBE-845

The Inhibition Mechanisms of Chrysin on the Invasion and Migration of A375.S2 Human Melanoma Cells

Hsin-Yu Chen | *China Medical University*

Yuan-Shiun Chang | *China Medical University*

Jing-Gung Chung | *China Medical University*

APLSBE-863

Effect of Shikonin on Non-Alcoholic Fatty Liver Disease(NAFLD) Cell

Yu-Wen Chi | *China Medical University*

Wai-Shan Chung | *Chang Gung Memorial Hospital*

Wen-Wen Huang | *China Medical University*

APLSBE-847

Combinational Treatment of All Trans Retinoic Acid (ATRA) and *bisdemethoxycurcumin* (BDMC) Induced ROS-Mediated Apoptosis through Mitochondrial Pathway in Hep3B Human Liver Cancer Cells.

Ting-Yi Huang | *China Medical University*

Wen-Wen Huang | *China Medical University*

Jing-Gung Chung | *China Medical University*

APLSBE-846

Berberine Inhibited Cell Migration and Invasion in Human Skin Melanoma A375.S2 Cells

Jia-Fang Liu | *China Medical University*

Wen-Wen Huang | *China Medical University*

Jing-Gung Chung | *China Medical University*

APLSBE-849

Relationship between Long Form Prolactin Receptor and Casticin Depress Metastasis Human Prostate Cancer DU-145 Cells

Chia-Chang Lin | *China Medical University*

Feng-Yao Tang | *China Medical University*

Jing-Gung Chung | *China Medical University*

APLSBE-874

Host-Targeting Antibacterial Activity of a Phenothiazine Drug against Intracellular *Salmonella* Typhimurium

Ching-Yi Yang | *National Taiwan University*

Hao-Chieh Chiu | *National Taiwan University*

APLSBE-862

The Crude Extraction of *Psoralea corylifolia* Induced Apoptosis in Human Prostate Carcinoma PC-3 Cells

Chia-Hsin Lin | *China Medical University*

Jing-Gung Chung | *China Medical University*

Chao-Lin Kou | *China Medical University*

APLSBE-873

Allelic Frequencies of 15 Autosomal Short Tandem Repeats Loci in Afro-Asian Populations

Bandar R.A. AlHothali | *Criminal Evidence Institute, Public Security, Ministry of Interior*

Sayed A.M. Amer | *Criminal Evidence Institute, Public Security, Ministry of Interior*

Majid Ayed Alrowaithi | *Criminal Evidence Institute, Public Security, Ministry of Interior*

ISFAS-1705

The Kinetics and Thermodynamics of Rice Bran Oil Extraction

Gui-Bing Hong | *National Taipei University of Technology*

Zong-Chiang Chen | *National Taipei University of Technology*

ISFAS-1714

Utilization of Molass as a Carbon Source for Biomass, Carotenoid and Protein Production by Photosynthetic Bacteria

Sirada Patthawaro | *Khon Kaen University*

Chewapat Saejung | *Khon Kaen University*

ISFAS-1722

Characterization and Wash Performance Analysis of Thermoalkaline Protease from *Bacillus pseudofirmus* TWCH4

Jutaporn Sawaengkaew | *Khon Kaen University*

Anuthida Kongkerd | *Khon Kaen University*

Polson Mahakhan | *Khon Kaen University*

ISFAS-1732

Application of High-Pressure Homogenization to Improve the Physical Properties of Rice Pasta

Jia-Hua Yea | *National Ilan University*

Hui-Huang Chen | *National Ilan University*

ISFAS-1739

Antioxidant Activity of Ethanol Extracts for Two Strains of Camellia Shell

Hsin-Jung Wang | *Chinese Culture University*

Wei-Hsin Hsu | *Chinese Culture University*

Wen-De Lai | *Chinese Culture University*

Ming-Chih Shih | *Chinese Culture University*

Chun-Ping Lu | *Fu Jen Catholic University*

Yi-Ping Yu | *Chinese Culture University*

ACEAIT-8322

Characteristics of the Molecular Sieves Materials Al-MCM-41 Synthesis from Thin Film Transistor- Liquid Crystal Display Waste Glass

Kae-Long Lin | *National Ilan University*

Chiao-Ying Chen | *National Ilan University*

Ju-Ying Lan | *National Ilan University*

Kang-Wei Lo | *National Taipei University of Technology*

ISFAS-1712

Fabrication of Carbon Nanotube Filter-coated on Membrane for Microbial Fuel Cell

Pannaporn Pusomjit | *Silpakorn University*

Orawan Chailapakul | *Chulalongkorn University*

Nichanan, Thepsuparungsikul | *Silpakorn University*

ISFAS-1752

Applications of Nanoscale Zero-Valent Iron (nZVI) to Remove the Color from Azo-Dye Textile Wastewater

Jun-Xian Jiang | *National United University*

Ruey-Fang Yu | *National United University*

