

# 2016-ISNST Symposium Program

(E-13 Nien-Tzu International Conference Hall)

October 6 (Thursday)				
08:00-09:00	<b>Registration</b> (E-13 Lobby)			
09:00-09:30	<b>Opening Ceremony</b> (Room: E1301)  <b>Opening remark: Prof. Chein Tai, Chairman of Congress,</b> <i>The President of Southern Taiwan University of Science and Technology, Taiwan</i>			
09:30-10:30	<b>Keynote Lecture 1</b> (Room: E1301) <b>Prof. Ben Wang</b>  <i>The Gwaltney Chair in Manufacturing Systems in the School of Industrial and Systems Engineering &amp; Professor of Materials Science and Engineering, Georgia Tech, USA.</i>  <i>Title : The future of manufacturing</i>  <b>Chair- Prof. Nai-Shang Liou</b>			<b>Poster Presentation 1</b> (Session B & D) (E-13 Lobby)
10:30-11:00	<b>Coffee Break</b>			
11:00-12:00	<b>Keynote Lecture 2</b> (Room: E1301) <b>Prof. RNDr. Ladislav Kavan</b>  <i>Head of Department of Electrochemical Materials, J. Heyrovský Institute of Physical Chemistry, the Czech Academy of Sciences, Czech Republic.</i>  <i>Title : Nanomaterials based on Ti(IV) Oxides: Applications for Electrochemical Energy Conversion and Storage</i>  <b>Chair- Prof. Nai-Shang Liou</b>			
11:50-13:30	<b>Lunch Break</b> (Room: E1302、E1303)			
13:30-14:30	<b>Poster Presentation 2 (Session A &amp; C)</b> (E-13 Lobby)			
	<b>Session A</b> Chair-Prof. Wei-Chin Chang  Room: E1305	<b>Session B</b> Chair-Prof. Shu-Chen Cheng  Room: E604	<b>Session C</b> Chair-Prof. Chi-Jo Wang  Room: E602	<b>Session D</b> Chair- Prof. Cheng-Ho Chen Chair- Prof. Ching-Feng Mao  Room: E1301
14:30-15:00	<b>Invited Prof. Shuichi Torii</b> <i>Professor of Department of Mechanical System Engineering, Kumamoto University, Japan.</i> <i>Title: Thermal Wave Propagation Phenomenon in Very Thin Film</i>	<b>Invited Prof. Yo-Ping Huang</b> <i>Professor of Department of Electrical Engineering, National Taipei University of Technology, Taiwan</i> <i>Title: Applications and Perspective of IoT-based Healthcare Systems</i>	<b>Invited Prof. Numyoot Songthanapitak</b> <i>President of Rajamangala University of Technology Lanna, Thailand.</i> <i>Title: RMUTL'S Industrial Cooperation With Education In Thailand</i> <b>Chair-Prof. Chi-Jo Wang</b>	<b>Invited Prof. I-Lung Chien</b> <i>Professor of Department of Chemical Engineering, National Taiwan University, Taiwan.</i> <i>Title: Energy-Saving Design of Hybrid Extraction-Distillation System for Azeotropic Separation</i>
15:00-15:30	<b>Invited Prof. Hadi Sutanto</b> <i>Dean of School of Engineering, Atma Jaya Catholic University</i> <i>Title: Nanotechnology Development in Indonesia: An Overview</i>	<b>Invited Prof. Hiroyuki Tarumi</b> <i>Professor of Department of Electronics and Information Engineering, Kagawa University, Japan.</i> <i>Title: Supports for Remote Informal Communication and its Application for Music Performances</i>	<b>Invited Prof. Toshimitsu Morizane</b> <i>Professor of Department of Electrical and Electronic Systems, Osaka Institute of Technology, Japan.</i> <i>Title: Disc-Shaped Lim For Levitation And Traction Force Control Powered By Source Using Component Synchronous With Motor Speed</i> <b>Chair-Prof. Ming-Shyan Wang</b>	<b>Invited Prof. Tomohiro Hirano</b> <i>Professor of Department of Applied Chemistry, Tokushima University, Japan.</i> <i>Title: Stereoregular Poly(N-Alkylacrylamide)S – Radical Polymerization and Aqueous Phase Transition Behavior</i>
15:30-16:00	<b>Invited Prof. Akira Ueno</b> <i>Collage of Science and Engineering, Department of Mechanical Engineering, Ritsumeikan University</i> <i>Title: Introduction of Research Center for Energy-Innovation Materials and Fuel-Cell Systems in Ritsumeikan University</i>	<b>Coffee Break</b>	<b>Invited Prof. Tatsuo Mori</b> <i>Professot of Department of Electrical Engineering, Aichi Institute of Technology, Japan.</i> <i>Title: Air-Flow-Combined 2-Step Fabrication Process for Organic Perovskite Solar Cells</i> <b>Chair-Prof. Ching-Ming Hsu</b>	<b>Invited Prof. Hiroharu Ajiro</b> <i>Professor of Institute for Research Initiatives, Graduate School of Materials Science, Nara Institute of Science and Technology, Japan.</i> <i>Title: Molecular Technology for Functionalized Polymer Biomaterials Using Poly(Trimethylene Carbonate) and Poly lactides</i>
16:00-16:30	<b>Coffee Break</b>		<b>Coffee Break</b>	<b>Coffee Break</b>
16:30-17:00	<b>Invited Prof. Hiroki Nagai</b> <i>Department of Applied Physics, School of Advanced Engineering, Kogakuin University</i> <i>Title: Novel Route to Cuprous Oxide Thin Films Fabrication on Glass Substrate Using Molecular Precursor Method</i> <b>Chair-Prof. Shuichi Torii</b>	<b>Oral Prof. Shu-Chen Cheng</b> <i>Title: Assessment of the Difficulty of Items in Computer Adaptive Learning Platform for Calculus</i> <b>Prof. Yi-Zeng Hsieh</b> <i>Title: Design of Mobile-Aided system for ADHD Children</i> <b>Chih-Hao Chang</b> <i>Title: A PROPOSAL FOR REINFORCED PUBLIC E-SERVICE MARKETING MODEL</i> <b>Prof. Yu-Lin Jeng</b> <i>Title: INFORMATION PARSING SYSTEM FOR POPULAR AND FORWARD-LOOKING TREND ANALYTIC</i>	<b>Oral Tajuddin Nur</b> <b>Chair-Prof. Jeen-Min Ling</b> <i>Southern Taiwan University of Science and Technology</i> <i>Title: Study The Effect Of Magnet Edge Slotting Of Fractional Structure To Reduce Cogging In Inset-Permanent Magnet Synchronous Generator</i>	<b>Oral Dr. Kuan-Ting Lee</b> <i>Technology Research Development Department, Plastics Industry Development Center, Taichung</i> <i>Title: A Cost-Effective, Magnetically Recyclable Photocatalyst, Pt Coupled ZnFe2O4, As A Breakthrough Photocatalyst for Fenton-Like Processes</i>

17:00-17:30	<b>Invited Prof. Tomhiro Yamaguchi</b> Department of Applied Physics, Kogakuin University, Japan <i>Title: Study on Mist CVD Growth of IN2O3</i>	Academic exchange	<b>Oral Chair-Prof. Shih-Chung Chen</b> Southern Taiwan University Of Science And Technology <i>Title:A SSVEP Based BCI On Mobile Robot Using Magnitude Squared Coherence And Fuzzy Tracking Algorithm</i> <b>Yu-Te Huang</b> Southern Taiwan University Of Science And Technology <i>Title:Visual Servo Tracking Control By Camshift</i>	<b>Oral Dr. Shanmuganathan Venkatesan</b> National Cheng Kung University <i>Title:Effects of Nanofillers on the Performance of Gel-State Dye-Sensitized Solar Cells</i>
17:30-18:00	<b>Oral Dedy Ramdhani</b> Southern Taiwan University of Science and Technology <i>Title:Mechanical Simulation and Experimental of Stamping Metallic Bipolar Plates in Proton Exchange Membrane Fuel Cell (PEMFC)</i> <b>Ran Fukami</b> Kumamoto University <i>Title:Extraction from Citrus Using Under water Shock Wave</i>	Academic exchange	<b>Oral Hemin I. Azeez</b> <b>Chair-Prof. Hung-Chi Yang</b> Southern Taiwan University Of Science And Technology <i>Title:Wearable Multi-Band Dipole Textile Antenna</i> <b>Nana Sutarna</b> Southern Taiwan University Of Science And Technology <i>Title:Equivalence Between Fuzzy PID Controllers And Conventional PID Controllers</i>	<b>Oral Prof. Chang-Ning Huang</b> Southern Taiwan University of Science and Technology <i>Title:Zinc Blende and Wurtzite Competition on &lt;111&gt;-B-oriented InGaN/GaN Nanowires</i>
18:30	<b>Banquet</b> (Premier Restaurant)			

**October 7 (Friday)**

	<b>Session A</b> <b>Chair-Prof. Yi-Chu Hsu</b> Room: E1305	<b>Session B</b> <b>Chair-Prof. Da-Huei Lee</b> Room: E604	<b>Session C</b> <b>Chair - Prof. Ming-Shyan Wang</b> Room: E602	<b>Session D</b> <b>Chair-Prof. Jian-Chyi Chen</b> Room: E1301
09:00-09:30	<b>Oral Martinez A. Daniela</b> Southern Taiwan University of Science and Technology <i>Title: Ethanol Green Chain in Fuel Cells Technology</i> <b>T. Hiraoka</b> Kumamoto University <i>Title:Explosive Compaction of Al-SiC Composites Assisted with Thermite Reaction</i>	<b>Invited Prof. Takeshi Fukusako</b> Professor of Department of Computer Science & Electrical Engineering, Kumamoto University, Japan. <i>Title: Broadband circularly polarized antenna technologies and their applications.</i>	<b>Invited Prof. Indrazno Siradjuddin</b> Professor of Department of Electrical Engineering Department, Malang State Polytechnic, Indonesia. <i>Title: One-Shot Learning Algorithm For Imitating Primitive Movements Of A Robot Actuator</i> <b>Chair-Prof. Ming-Shyan Wang</b>	<b>Invited Prof. Wen-Chien Lee</b> Professor of Department of Chemical Engineering, National Chung Cheng University, Taiwan. <i>Title: Functional inclusion bodies in recombinant Escherichia coli as biocatalysts</i>
09:30-10:00	<b>Oral Quoc Thien Pham</b> Southern Taiwan University of Science and Technology <i>Title:Development of Loading System for Measuring Texture Profile Parameters of Fruit Flesh</i> <b>Shota Matsumoto</b> Kumamoto University <i>Title: Study on Combustor and Heat Exchanger Using Waste Biomass Fuel</i>	<b>Oral Jia-Hong Shu</b> <i>Title: DESIGN OF EIGHT-ELEMENT MIMO ANTENNAS FOR NEXT GENERATION MOBILE COMMUNICATION SYSTEMS</i> <b>Bo-Kai Zhang</b> <i>Title: Design and Implementation of Digital Exam System</i>	<b>Oral Agan Agary</b> <b>Chair-Prof. Lian-Jou Tsai</b> Southern Taiwan University Of Science And Technology <i>Title: Design Of Flexible And Intelligent Li-Ion Battery Management System For Electric Bicycle</i> <b>Chia-Chuan Kuo</b> Southern Taiwan University Of Science And Technology <i>Title:Communication Method And Apparatus Using Dc Power Feed</i> <b>Sheng-Ting Huang</b> Southern Taiwan University Of Science And Technology <i>Title:Wireless Pseudo-Stereo Electronic Stethoscope</i>	<b>Invited Prof. I-Son Ng</b> Professor of Department of Chemical Engineering, National Cheng Kung University, Taiwan. <i>Title: Functional Genes and Proteome Exploring from Extracellular Electron Transport (EET) Microbe: Shewanella Species</i>
10:00-10:20	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>
10:20-10:50	<b>Oral Ramli</b> Southern Taiwan University of Science and Technology <i>Title:Effects of Nanoscale Precipitation on the Material Property of the 7003 Aluminum Alloy</i> <b>Yomei Hirata</b> Kumamoto University <i>Title:Development of the Pipe Velocity Measurement Method Combine with X-ray and PIV</i>	<b>Oral Rong-Da Lin</b> <i>Title:PIFA-TYPE WLAN MIMO ANTENNAS FOR USB DONGLE APPLICATIONS</i> <b>Hao-xuan Wang</b> <i>Title: DETECTION OF ENDO SYMPTOM BY USING IMAGE PROCESSING TECHNOLOGY IN PANORAMIC X-RAY FILM</i>	<b>Oral You-Cheng Chang</b> <b>Chair - Prof. Hsyi-En Cheng</b> Southern Taiwan University of Science and Technology <i>Title: Fabrication of ZnO/MgO Distributed Bragg Reflector</i>	<b>Invited Prof. Yu-Shen Cheng</b> Professor of Department of Chemical and Materials Engineering, National Yunlin University of Science and Technology, Taiwan. <i>Title:Developing Biological Systems for Biorefinery of Ulva Lactuca</i>

<p><b>10:50-11:20</b></p>	<p style="text-align: center;"><b>Oral</b> <b>Wei-Chin Chen</b> Southern Taiwan University of Science and Technology <i>Title: The observations and analyses of Anodizing Treatment on the surface defect in 7XXX Aluminum Alloys</i></p> <p style="text-align: center;"><b>Shinichi Miyauchi</b> Kumamoto University <i>Title: The Effects of Center Body, Rotor - tip Interval and Propeller Profile on the Aerodynamic Characteristics of Micro Quad-rotor</i></p>	<p style="text-align: center;"><b>Academic exchange</b></p>	<p style="text-align: center;"><b>Oral</b> <b>Chih-Yin Chiang</b> <b>Chair - Prof. Hsyi-En Cheng</b> Southern Taiwan University of Science and Technology <i>Title: Simulation of Light Extraction Efficiency of Bulk-Gan Based Flip-Chip LEDs</i></p>	<p style="text-align: center;"><b>Invited</b> <b>Prof. Chi-Wei Lan</b> <i>Professor of Chemical Engineering &amp; Materials Science, Yuan Ze University, Taiwan.</i> <i>Title: Improvement of Polyhydroxyalkonates Production by Recombinant Ralstonia Eutropha from Waste Feestocks</i></p>
<p><b>11:20-12:00</b></p>	<p style="text-align: center;"><b>Closing Ceremony</b> (Room: E1301) <b>Closing remark: Prof. Kun-Chung Li</b> <b>Vice President for Academic Affairs of Southern Taiwan University of Science and Technology</b> <b>Chair- Prof. Nai-Shang Liou</b></p>			
<p><b>12:00-13:30</b></p>	<p style="text-align: center;"><b>Lunch Break</b></p>			
<p><b>14:00-17:30</b></p>	<p style="text-align: center;"><b>Excursion</b> (Chimei Museum)</p>			