



The International Conference for Students on Applied Engineering 2016 (ICSAE 2016)

Newcastle, United Kingdom

20-21 October 2016

# Conference Program

# International Conference for Students on Applied Engineering 2016 (ICSAE 2016) – Programme

Day 1 - Thursday, October 20

08:30 AM – 09:00 AM	Registration	
09:00 AM – 09:15 AM	Opening Remarks	Hall #2
09:15 AM – 09:45 AM	Keynote Speaker: Professor Masayoshi Esashi (Japan) "Microsystems by Heterogeneous Integration"	Hall #2
09:45 AM – 10:00 AM	Networking Break	Hall #3
10:00 AM – 11:00 AM	Period 1	Hall #1 and Hall #2
11:00 AM – 11:15 AM	Coffee Break	Hall #3
11:15 AM – 12:15 PM	Period 2	Hall #1 and Hall #2
12:15 PM – 01:00 PM	Lunch Break	Hall #3
01:00 PM – 02:00 PM	Period 3	Hall #1 and Hall #2
02:00 PM – 03:00 PM	Poster Break	Hall #3
03:00 PM – 03:45 PM	Period 4	Hall #1 and Hall #2
03:45 PM – 04:00 PM	Break	Hall #3
04:00 PM – 05:00 PM	Workshops (check the conference website for details)	Hall #1 and Hall #2

<b>Period 1</b> <b>10:00 AM – 11:00 AM</b>	Hall #1	Hall #2
	Special Session SS01a Chair: Haider M. Abbas	Special Session SS02 Chair: Ali Baraka
	Topics: Power, Energy and Power Electronics; Power Electronics and Control	Topics: Control Systems Engineering; Robotics, Automation and Mechatronics Engineering
	Utilization of Harmonics Current in Single Phase System  H. Al-Bayaty, M. Ambroze, M. Zaki Plymouth University	Improved PID control for Tilting Trains  F. Hassan, A. Zolotas, R. Margetts University of Lincoln
	Reduction of Emissions by Using Various Syngases with Different Injection Strategies Under Premixed Combustion Mode  H. Kurji O. Aniekan, A. Valera-Medina Cardiff University	Design, Fabrication and Testing of a Hybrid Micro-Motion XY Stage Driven By Voice Coil Actuators  X. Herpe, R. Walker, M. Dunnigan, X. Kong Heriot-Watt University
	Effect of Hydrophobicity on Enhancement of Condensation Heat Transfer- CFD Simulation  A. Alammar, R. Al-Dadah, S. Mahmoud University of Birmingham	3D Tire Inspection Using Microwave Open-Ended Waveguide Probe  R. Sutthaweekul, M. Buhari, A. Sunny, G. Tian Newcastle University
	Novel four Bed Adsorption System for Cooling and Power Generation  F. Al-Mousawi, R. Al-Dadah, S. Mahmoud University of Birmingham	Test and Validation of Novel Lane-Departure Prevention System  C. Ni, T. Gordon, D. Zhang, Y. Gao University of Lincoln

11:00 AM – 11:15 AM

Coffee Break – Hall #3

<b>Period 2</b> <b>11:15 AM – 12:15 PM</b>	<b>Special Session SS01a – Cont.</b> <b>Chair: Haider M. Abbas</b>	<b>Special Session SS02 – Cont.</b> <b>Chair: Ali Baraka</b>
	<b>Topics: Power, Energy and Power Electronics; Power Electronics and Control</b>	<b>Topics: Control Systems Engineering; Robotics, Automation and Mechatronics Engineering</b>
	<b>Development of Micro-Scale Radial Inflow Turbine for ORC Power System</b>  A. Al Jubori, A. Daabo, R. K. Al-Dadah, S. Mahmoud, A. S. Bahr Ennil University of Birmingham	<b>A Flexible Control Allocation Method for Terminal Understeer Mitigation</b>  Y. Gao University of Lincoln
	<b>Impact of Blade Configuration on Small Scale Cryogenic Axial Turbine Performance</b>  K. M. Khalila, S. Mahmoud, R. K. Al-Dadah University of Birmingham	<b>Wrist Rehabilitation Exoskeleton Robot Based on Pneumatic Soft Actuators</b>  H. Al-Fahaam, Dr. S. Davis, Prof. S. Nefti-Meziani University of Salford
	<b>Modelling and Control of Non-Isolated High Voltage Gain Boost Converter Employing Coupled Inductor and Switched Capacitor</b>  M. Muhammad, M. Armstrong, M.A. Elgendy Newcastle University	<b>An Intelligent Approach for Classification of GPS Satellites based on Neural Networks and Evolutionary Algorithms</b>  H. Azami, M. D. Soltani, I. Tavakkolnia University of Edinburgh
	<b>Development of Small-Scale Axial Turbine for Solared Power Brayton Cycle</b>  A. Daabo, A. Al Jubori, S. Mahmoud, R. K. Al-Dadah, A. Ahmad University of Birmingham	<b>Analyzing the 3D Printed Material Tango Plus FLX930 for Using in Self-Folding Structure</b>  A. Abtan, B. Thomas, R. C. Richardson University of Leeds
<b>12:15 PM – 01:00 PM</b>	<b>Lunch Break – Hall #3</b>	

<b>Period 3</b> <b>01:00 PM – 02:00 PM</b>	<b>Special Session SS01b</b> <b>Chair: Haider M. Abbas</b>	<b>Special Session SS03</b> <b>Chair: TBC</b>
	<b>Topics: Power, Energy and Power Electronics; Power Electronics and Control</b>	<b>Topics: Antenna &amp; Microwave Theory and Applications, Wireless Communication &amp; Networks</b>
	<b>Effect of Fe3O4 Nanoparticle Size on Impulse Breakdown Strength of Mineral Oil-Based Nanofluids</b>  M. Rafiq, C. Li, Y. Lv, K. Yi, M. Numan, U. Nasir North China Electric Power University	<b>Multiuser Orthogonal Signal Division Multiplexing for Doubly-Selective Fading Channel in Autonomous Vehicular Communications</b>  I. Tavakkolnia, M. D. Soltani, H. Azami, S. Mashhadi University of Edinburgh
	<b>An Integrated Building-to-Grid model for Evaluation of Energy Arbitrage Value of Thermal Storage</b>  M. B. Anwar, C. A. Cabrera, O. Neu, D. J. Burke, M. O'Malley University College Dublin	<b>A 25um Spatial Resolution Broadband Microwave Voltage Probe.</b>  Ali M. L. Al-Ziayree, R. M. Perks and S. C. Cripps Cardiff University
	<b>Liquid Nitrogen Air Conditioning System for Domestic Application</b>  A. Ahmada, R. Dadaha, S. Mahmouda University of Birmingham	<b>Self-Organized Clustering Technique Based on Sink Mobility in Heterogeneous M2M Sensor Networks</b>  B. R. Al-Kaseem, A. O. Nyanteh, H. S. Al-Raweshidy Brunel University London
	<b>Effects of Skin Friction, Tip Clearance and Trailing Edge thickness on Losses in Small Scale Cryogenic Axial Turbine</b>  K. M. Khalil, S. Mahmoud, R. K. Al-Dadah University of Birmingham	<b>A Bacterial Foraging Algorithm Optimized Fuzzy Logic for Power Control of Code Division Multiple Access Cellular Systems</b>  S. M. Yarima, J. D. Jiya, M. D. Buhari Abubakar Tafawa Balewa University (ATBU) Bauchi

02:00 PM – 03:00 PM

Posters Break – Hall #3

<b>Period 4</b> <b>03:00PM – 03:45 PM</b>		<b>Special Session SS04</b> <b>Chair: Konstantinos Goutsos</b>
		<b>Topics: Software &amp; Database Systems, Computational Intelligence, Computer Architecture &amp; Systems; Information and Communication Technology in Energy Systems; Software &amp; Database Systems, Computational Intelligence, Computer Architecture &amp; Systems.</b>
		<b>Voice Conversion Algorithm Using Coefficient Mapping and Neural Network</b>  O. Agbolade, S. A Oyetunji Federal University of Akure, Nigeria
		<b>Heuristic Scheduling of Smart Home Appliances with Uncertain Events in the Utility Planning</b>  C. Ogwumike, M. Short, F. Abugchem Teesside University
		<b>Selecting the Appropriate Conditions for Steam Injection E O R: A Case Study of Block Shen84-An12, Liaohe Oilfield, Noth-East</b>  M. S.Danlami, T. Zhonghua, M. Habib, A. I Omeiza China University of Geosciences, Wuhan, China

<b>03:45 PM – 04:00 PM</b>	<b>Break – Hall #3</b>
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<b>04:00 PM – 05:00 PM</b>	<b>Workshop #1</b>	<b>Workshop #2</b>
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# International Conference for Students on Applied Engineering 2016 (ICSAE 2016) – Programme

Day 2 - Thursday, October 21

08:30 AM – 09:00 AM	Registration	
09:00 AM – 09:30 AM	Keynote Speaker: Professor Kenneth Dalgarno (UK) "Printing Cells and Medical Devices"	Hall #2
09:30 AM – 09:45 AM	Networking Break	Hall #3
09:45 AM – 10:45 AM	Period 1	Hall #1 and Hall #2
10:45 AM – 11:00 AM	Coffee Break	Hall #3
11:00 AM – 11:45 AM	Period 2	Hall #1 and Hall #2
11:45 AM – 12:00 PM	Break	Hall #3
12:00 PM – 01:00 PM	Period 3	Hall #1 and Hall #2
01:00 PM – 01:45 PM	Lunch Break	Hall #3
01:45 PM – 02:30 PM	Period 4	Hall #1 and Hall #2
02:30 PM – 03:30 PM	Posters Break	Hall#3
03:30 PM – 04:30 PM	Awards and Prizes for "Best Papers" and "Best Posters"	Hall #2
04:30 PM – 05:00 PM	Closing Remarks	Hall#2

<b>Period 1</b> <b>09:45 AM – 10:45 AM</b>	Hall #1	Hall #2
	Special Session SS05 Chair: Ross Harris	Special Session SS07 Chair: Atheer F. Hameed
	Topics: Mechanical Systems Design; Material Engineering: Theory and Applications Nano/Micro Engineering or Nanotechnology	Topics: Structural Engineering and Projects Managements; Environment Engineering and Sustainable Development; Sound and Vibration
	The Impact of Altitude, Latitude, and Endurance Duration on the Design of a High Altitude, Solar Powered Unmanned Aerial Vehicle  A. Alsahlani, T. Rahulan University of Salford	Progressive Collapse Resisting Mechanisms of Reinforced Concrete Structure  K. Alogla, L. Weekes, L. Augusthus-Nelson University of Salford
	Ab Initio Calculations of Carbon Impurities in Lead Titanate  M. Al-Hadidi, J.P. Goss, R. AL-Hamadany, P.R. Briddon, M. Ahmed, M. J. Rayson Newcastle University	The Effects of Hydraulic Retention Time on the Sludge Characteristics and Effluent Quality in an ASSBR  A. W.N. Alattabi, C. B Harris, R. M. Alkhaddar, A. Alzeyadi Liverpool John Moores University
	Preparation of Novel Nanocomposites Using the Ultra-Sonication Technique  A. A. Mahuof, A. G. Gibson, G. Kotsikos, M. Konstantakopoulou Newcastle University	Energy and Carbon Emission Savings Potential of Chemical Plant by Implementing Cogeneration Technologies  I. Shabbir, M. Mirzaeian University of the West of Scotland
	Assessing the Applied Normal Load During Contact Mode AFM: an Issue with the Conventional Approach  R. S.J. Al-Musawi, E. Brousseau, F. M. Borodich Cardiff University	

10:45 AM – 11:00 AM

Coffee Break – Hall #3



<b>Period 2</b> <b>11:00 AM – 11:45 AM</b>	<b>Special Session SS05 – Cont.</b> <b>Chair: Ross Harris</b>	<b>Special Session SS07 – Cont.</b> <b>Chair: Atheer F. Hameed</b>
	<b>Topics: Mechanical Systems Design; Material Engineering: Theory and Applications Nano/Micro Engineering or Nanotechnology</b>	<b>Topics: Structural Engineering and Projects Managements; Environment Engineering and Sustainable Development; Sound and Vibration</b>
	<b>To What Extent are Fixed Roof Storage Tanks Shielded by Live and Snow Loads against Wind Loads?</b>  N. Hsaine, F. Franklin Newcastle University	<b>Systems Engineering Approach to Design and Modelling of Smart Cities</b>  J. Muvuna Glasgow Caledonian University
	<b>The Difficulty on the Assess in Tool Life in CNC Milling</b>  Z. J. Ahmed, P. Prickett, R. Grosvenor Cardiff University	<b>Analytical Simulation of Low Frequency Wave Radiation from a Buried Water Plastic Pipe</b>  M. Salimi, J. M. Muggleton, E. Rustighi University of Southampton
<b>Mechanical Characterization of Protective Coatings for Offshore Wind Turbine Towers and Transition Pieces</b>  I. Lopez, P. S. Leung, F. Inam, C. Till, A. Paulsen Northumbria University	<b>Comparison of PV Panel's Standard and Simplified Models</b>  M. R. Rashel, A. Albino, T. C. F. Goncalves, A. Veiga, M. T Ahmed, M. Tlemcani University Of Evora, Portugal	

<b>11:45 AM – 12:00 PM</b>	<b>Break – Hall #3</b>
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<b>Period 3</b> <b>12:00 PM – 01:00 PM</b>	<b>Special Session SS06</b> <b>Chair: Sgardelis Pavlos</b>	<b>Special Session SS08</b> <b>Chair: Sinziana Popescu</b>
	<b>Topics: Electronics Circuit &amp; Systems, Signal Processing, Image Processing</b>	<b>Topics: Sensors and Instrumentations</b>
	<b>Accurate Heat Loss Evaluation of Water-Cooled Electric Motors Using a Differential Ultrasonic Calorimeter</b>  A. Hashmi, A. N. Kalashnikov, R. A. Light, M. Malakoutikhah The University of Nottingham	<b>Validation of Partial Discharge Emulators Simulation Using Free-Space Radiometric Measurements</b>  A. Jaber, P. Lazaridis, B. Saeed, Y. Zhang, U. Khan, D. Upton, H. Ahmed, P. Mather, M. F. Q. Vieira, R. Atkinson, M. Judd, University of Huddersfield
	<b>Quadruped Locomotion Analysis Using 3-Dimensional Video</b>  K. Abduljabbar, M. F. Hansen, M. L. Smith, and L. N. Smith Bristol Robotics Laboratory	<b>An Evaluation of the Use of Low-Cost Accelerometers in Assessing Fishing Vessel Stability through Period of Motions</b>  N. O. Abankwa, G. Squicciarini, S. J. Johnston, M. Scott, S. J. Cox University of Southampton
	<b>Partial Discharge Detection Using Software Defined Radio</b>  H. Mohamed, P. Lazaridis, D. Upton, U. Khan, B. Saeed, A. Jaber , Y. Zhang, P. Mather, M. F. Q. Vieira, K. W. Barlee , D. S. W. Atkinson, I. A. Glover University of Huddersfield	<b>Design and Experimental Evaluation of a Test Rig for Ultrasonic Monitoring of Accelerated Corrosion</b>  N. Suchato, University of Nottingham
	<b>Wireless Sensor Networks for In situ Energy Efficiency Monitoring</b>  J. Cowlyn, Northumbria University	

<b>01:00 PM – 01:45 PM</b>	<b>Lunch Break – Hall #3</b>
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<b>Period 4</b> <b>01:45 PM – 02:30 PM</b>	<b>Special Session SS06 – Cont.</b> <b>Chair: Sgardelis Pavlos</b>	<b>Special Session SS09</b> <b>Chair: Amir Dehsarvi</b>
	<b>Topics: Electronics Circuit &amp; Systems, Signal Processing, Image Processing</b>	<b>Topics: Biosensors, Biomedical Engineering and Medical Systems Engineering</b>
	<b>Adaptive OFDM Subcarrier Selection for SAR Target Reconstruction</b>  M.D. Buhari, G.Y. Tian, R.Tiwari Newcastle University	<b>The Development and Evaluation of a Sensor-Fusion and Adaptive Algorithm for Detecting Real-Time Upper-Trunk Kinematics, Phases and Timing of the Sit-to-Stand Movements in Stroke Survivors</b>  S. F. Ho, A. Thomson, A. Kerr University of Strathclyde
	<b>Secure and Robust Watermarking Using Arnold Transform and Neyman-Pearson Decoder</b>  M. D. Soltani, I. Tavakkolnia, H. Azami University of Edinburgh	<b>Kinematic Analysis of the Shoulder Mechanism in Able-bodied Non-Experienced Manual Wheelchair Users (MWUs)</b>  H. A. Lafta, R. Guppy, G. Whatling, C. Holt Cardiff University
	<b>Effect of Tool and Drilling Parameters on Surface Topography of Bone Drilled Holes: an Invitro Study</b>  G. Singh, R. Jindal, V. Jain, D. Gupta Thapar University, Patiala, India	

02:30 PM – 03:30 PM	Posters Break – Hall #3
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03:30 PM – 04:30 PM	Awards and Prizes for “Best Papers” and “Best Posters” – Hall #2
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04:30 PM – 05:00 PM	Closing Remarks– Hall #2
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## Posters

Poster No.	Paper ID	Posters
1	120	<b>A Novel Flowrate Control Method for Single Flow Zinc Nickel Battery</b> Xiang LI, C.K Wong, Zhile Yang The University of Macau, Queen's University Belfast
2	132	<b>Optimum Specific Volume of Fresh Water in Evaporator for Single Bed Adsorption Ice Making-Freeze Desalination System</b> H.J. Dakkama, P.G. Youssef, R.K. AL-Dadah, Saad Mahmoud, Wisam A.M. Al-Shohani University of Birmingham
3	143	<b>Heat Release Rate and Pressure Fluctuation of Lean Premixed Flame at Different Forcing Levels</b> Aniekan Okon, Hayder Kurji, Agustin Medina, Yiqin Xue Cardiff University
4	146	<b>Evaluation of the Convection Heat Transfer Coefficient of a Thermoelectric Distillation System</b> Hayder Al-Madhhachi, Martin Prest and Gao Min Cardiff University
5	151	<b>A Study on the Two Stage Wankel Expander Performance</b> Ghada A. Sadiq, Gavin M. Tozer, Saad M. Mahmoud, Raya K. Al-Dadah University of Birmingham
6	162	<b>Impact of Inertia Emulation Control of Grid-Scale BESS on Power System Frequency Response</b> Samir M. Alhejaj, Francisco M. Gonzalez-Longatt Loughbrough University
7	218	<b>Optimal Switching Performance of IGBT Using Active Gate Drive for PWM Converters</b> K. Tan, Z. Wang, B. Ji, P. Lefley University of Leicester

Poster No.	Paper ID	Posters
8	257	<b>High Efficiency Fault Tolerant Single Stage Dual Output Smart Battery Charger: Marine Application</b> M. Salehifar, G. Putrus, D. Gao, V. Dargahi, P. Barras Northumbria University
9	124	<b>Photovoltaic Fault Detection Algorithm Using Virtual Instrumentation LabVIEW Software</b> Mahmoud Dhimish, Violeta Holmes, Mark Dales University Of Huddersfield
10	149	<b>Control System Design for Fuel to Air Ratio in an Internal Combustion Engine with Unknown Time-Delay and Fuel Fraction Impinging Manifold's Wall</b> Ali I. H. Al-zughaibi, Najah F. Jasim Cardiff University
11	180	<b>3D Position Mapping of Continuum Arm</b> Alaa Al-Ibadi, Samia Nefti-meziani, Steve Davis University of Salford
12	240	<b>Online Estimation of Engine Driveline Dynamic Response</b> M. Madamedon, F. Gu and A.D Ball University Of Huddersfield
13	243	<b>A New Metric to Assess the Tip Condition of AFM Probes Based on Three-Dimensional Data</b> Zaynab N. Alraziqi, Emmanuel Brousseau Cardiff University
14	109	<b>Convolutional Codes Defined In GF(q) Combine With PNC Over Impulsive Noise Channel</b> yuanyi zhao, Martin Johnston, Charalampos Tsimenidis Newcastle University
15	111	<b>Dual-Band Bandpass Filter Using Coaxial Stepped Impedance Resonators</b> Yahui Wu, Ruwan Gajaweera, Jeremy Everard University of York

Poster No.	Paper ID	Posters
16	161	<p><b>An Optimisation of a Freeform Lens Design for LED Street Lighting</b></p> <p>Sina Babadi, Roberto Ramirez-Iniguez, Tuleen Boutaleb, Tapas Mallick. Glasgow Caledonian University</p>
17	174	<p><b>Multi-Layer Perceptron as Equalizers for Multilevel Pulse Amplitude Modulation Scheme in Short Range SI-POF</b></p> <p>Isaac Osahon Institute of Digital Communication, UK</p>
18	190	<p><b>Analyzing Coupling Effect of Adjacent Resonating Metamaterial Slabs</b></p> <p>Musa Bute and Ugur C. Hasar GAZIANTEP UNIVERSITY, Turkey</p>
19	207	<p><b>Rank Deficient Decoding for Arithmetic Subspace Network Coding</b></p> <p>Pourya Karimian, Masoud Ardakani University of Alberta, Canada</p>
20	225	<p><b>An Intelligent Intrusion Detection Scheme for Self-driving Vehicles Based On Magnetometer Sensors</b></p> <p>Khattab M. Ali Alheeti, Klaus McDonald-Maier University of Essex</p>
21	242	<p><b>Particle Filter for Mobile Station Positioning in a Cellular Network</b></p> <p>N. Mezhoud, N. Bouzera, M. Oussalah, A. Zaatri, Z. Hammoudi Electrical Engineering Laboratory of Bejaia (LGEB), Algeria</p>
22	131	<p><b>Open Public e-Procurement Solution Tackle Corruption in Iraq</b></p> <p>Mahdi Al-Ajwad University of Southampton</p>
23	140	<p><b>New Rules for Deriving Formal Models from Text</b></p> <p>Muss Omer and David Wilson University of Huddersfield</p>

Poster No.	Paper ID	Posters
24	227	<b>Topology Optimization of Wireless Networks by Means of Brute Force Algorithm and Intel Xeon Phi Coprocessor</b> Aye Min Thike, Sergey Lupin and Yuriy Vagapov National Research University of Electronic Technology, Russia
25	153	<b>Assessment of the Effects of Residual Stresses on Fatigue Life of Real Rough Surfaces in Lubricated Contact</b> Maasi F AL-Mayali, H. P. EVANS and K. J. SHARIF Cardiff University
26	184	<b>The Aerodynamics of Vehicle Platooning Using CFD</b> Hesham Ebrahim, Robert Dominy, Pak Sing Leung Northumbria University
27	233	<b>Nucleation Regions Observation and Coercivity Determination of Sintered Permanent Magnets Using MFM</b> Muhsien M. Yazid, Sarah H. Olsen, Glynn Atkinson Newcastle University
28	246	<b>Influence of Various Titanium Oxide Blocking Layers on Performance of Dye-Sensitized Solar Cells</b> Mateusz Augustyniak, Gao Min Cardiff University
29	208	<b>Optimal Beam Radius for LED-Based Indoor Positioning Algorithm</b> Manisha Ajmani, Sinan Sinanovic, Tuleen Boutaleb Glasgow Caledonian University
30	211	<b>Impact of Timing Jitter on the Performance of Carrier Amplitude and Phase Modulation</b> Kabiru O. Akande, Wasiu O. Popoola The University of Edinburgh
31	222	<b>Optimization of Duty Cycle for LED Based Indoor Positioning System</b> Popoola O. R, Popoola W. O, Ramirez-Iniguez R, and Sinanovic S. Glasgow Caledonian University

Poster No.	Paper ID	Posters
32	249	<b>Bio-Inspired Object Recognition System for Recognizing Nature Scene Dataset</b> Ali Alameer Newcastle University
33	121	<b>Finite Element Prediction of Brittle Failure in RC Beams Strengthened with Externally Bonded FRP Material</b> Akram Jawdhari, Ali Semendary, and Nawfal Hsaine University of Kentucky, US
34	238	<b>Different Parameters Variation Analysis of a PV Cell</b> MD TOFAEL AHMED University of Evora, Portugal
35	105	<b>Determination and Optimization of the Mathematic Model Using the Non-Linear Least Square and Iteration Methods</b> M. Abdalla, J. Zhang and R. Cheng Teesside University
36	221	<b>An Investigation Into the Effects of Pattern Geometries on Laser Trimmed Film Resistors</b> Maria Alafogianni, Martin Birkett, Roger Penlington Northumbria University
37	254	<b>Modal Sensitivity Enhancement of Few-Mode Fiber Bragg Gratings for Refractive Index Measurement</b> M. Mahmood Ali, Sanober F. Memon, Kok-Sing Lim, Harith Ahmad, and Elfed Lewis Optical Fibre Sensors Research Centre, University of Limerick, Ireland
38	141	<b>Use of Graph Metrics to Classify Motor Imagery Based BCI</b> Lorena Santamaria, Christopher James University of Warwick
39	157	<b>Drawing Higher SSVEP Response from LED Visual Stimulus with Varying Luminosity Levels</b> Surej Mouli, Ramaswamy Palaniappan University of Kent
40	259	<b>Refined Composite Multiscale Entropy for Analysis of Resting-state Magnetoencephalograms in Alzheimer's Disease</b> Hamed Azami, Alberto Fernandez, and Javier Escudero The University of Edinburgh