



GERI ANNUAL RESEARCH SYMPOSIUM 2009

Peter Jost Enterprise Centre (Upper Lecture Theatre), Tuesday 23rd June 2009, 8.30am Registration for a 8.50am Prompt Start

TIME SLOT	SESSION	SPEAKER
8:30 - 8:50	Registration	
8:50 - 9:00	Introduction	Dr Francis Lilley
9:00 - 9:15	Welcome Address – Professor Michael Brown – Vice Chancellor of LJMU	Professor Michael Brown
9.15 – 9.45	Keynote Presentation – Professor Allan Boardman, University of Salford	Professor Alan Boardman
9.45 – 11.05	Session One – Chair: Dr Mark Murphy	
9.45 – 10.05	A Simple and Accurate Calibration Method for Multi-Sensor Fringe Projection Measurement Systems	Mr Mohammad Qudeisat
10.05 – 10.25	The Development of a 3 Dimensional LASER Light Force Optical Trap using a Tapered Optical Fibre Delivery System	Mr Steven Ross
10.25 – 10.45	Absolute Distance Measurement with Micrometer Accuracy Using the Michelson Interferometer	Mr Khaled Alzahrani
10.45 – 11.05	FRODOSPEC: A Fibre-Fed Dual Beam Optical Spectrograph	Professor Iain Steele
11.05 – 11.20	Coffee Break	
11.20 – 12.40	Session 2 – Chair: Dr Alex Mason	
11.20 – 11.40	Biocidal Effects of Microwaves and Microwave-Generated UV Light	Dr Montserrat Ortoneda
11.40 – 12.00	An Inverse Technique for Characterising Elastic Properties of Thin Membrane and Modelling of Water Filling Process	Mr Fuzi Elkut
12.00 – 12.20	A Preliminary Investigation into the Production of a Cellulytic Saccharomyces – Identification of a High Cellulytic Trichoderma SPP. For Gene Selection	Mr Alex Stavrinides
12.20 – 12.40	A Microwave Plasma Catalytic System to Reduce Exhaust Pollutants	Dr Eduardo Cordova-Lopez
12.40 – 14.00	Lunch Break	
14.00 – 15.40	Session 3 – Chair: Dr Andre Batako	
14.00 – 14.20	An Online Real-Time Non-Destructive Evaluation System for the Quality Control of Spot Welding in the Automotive Industry	Miss Nina Athi
14.20 – 14.40	Acoustic Emission as a Tool of In-Process Monitoring of Workpiece Roundness in Cylindrical Grinding	Miss Siew Yan Goh
14.40 – 15.00	Plane Surface Grinding with Application of Minimum Quantity Lubrication (MQL)	Mr Lukasz Barczak
15.00 – 15.20	Diffusion Wear of Cemented Carbide Tools in High Speed Machining of Titanium Alloys (Ti-6Al-4V)	Dr Yousheng Li
15.20 – 15.40	Fusion of Acoustic and X-Ray Images for Automatic Inspection of Modern Microelectronic Packages Solder Joints	Mr Ryan Yang
15.40 – 16.00	Coffee Break	
16.00 – 16.30	Closing Ceremony - Prize-Giving - Photographs	Professor Andrew Young, Director of Research, LJMU





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Posters Presenters should display Posters at 8.30am and attend Posters at Coffee Breaks and at Lunch

TIME SLOT	SESSION	SPEAKER
8.30-8.50	Registration – Poster Presenters Put Up Posters	
8.50-9.00	Introduction	Dr Francis Lilley
9.00-9.15	Welcome Address – Professor Michael Brown – Vice Chancellor, LJMU	Professor Michael Brown
9.15 – 9.45	Keynote Presentation – Professor Allan Boardman, University of Salford	Professor Alan Boardman
9.45 – 11.05	Oral Presentations Session 1	
11.05 – 11.20	Coffee Break – Poster Presenters Please Attend Posters	
11.20 – 12.40	Oral Presentations Session 2	
12.40 – 14.00	Lunch Break- Poster Presenters Please Attend Posters	
	Poster Title List	Main Poster Presenter
	Landscape Mapping – An Exploratory Tool to find Reproducible Cluster Partitions	Professor Paulo Lisboa
	Application of Monte Carlo Method in the Marine Environment	Andrew Cunningham
	Assessing the Quality of Spot-Welding Electrodes Using Image Processing Techniques	Mr Abdulwanis Abdulhadi
	Channel Modelling and Simulation of Environmental Based Information (Through Jpeg, Mpeg) Digital Satellite Communications	Mr Lokesh Revuru
	NDT Alcohol Detection Using a Microwave Sensor	Mr Lionel Wendling
	A Novel Approach to Accelerated Thermal Testing of Electronic Products Using Self Heating and Thermal Profiling	Mr Derek Braden
	Non-Invasive Rail Track Detection System Using a Microwave Sensor	Mr Vijay Karunamoothei
	Spot Welding Theoretical & Practical Investigations of the Expulsion Occurrence in Joining Metal Process for the Automotive Industry	Mr Mohamad Al Jader
	Dynamic Space Vector Equivalent Circuit With Stray Load Losses Representation Suitable for Detuning Studies in Vector Controlled Induction Motor Drives	Dr Adoum Lamine
	Intelligent Inventory Management for Packaged Gases	Dr Alex Mason
	Real-Time Water Pipes Leak Detection Using EM Waves for the Water Industry	Mr Jung Hean Goh
	Design and Implementation of Low Power and Wireless Multi-Sensor Devices for Industrial Applications	Mr Eric Bader
	Real Time EM Waves Monitoring System for Oil Industry Three Phase Flow Measurement	Mr Salem Al-Hajeri
	Upgrading Waste Tyre Rubber Aggregate Material Using Microwaves and Chemical Treatment for Bituminous Pavements	Mr Muhammad Ateeq
	Shoe Nozzle Design Using CFD Simulation	Mr Wu Hui
	The Removal of Free Fatty Acids from Waste Cooking Oil Using Continuous Microwave Assisted Reactor	Mr Sam Bennett
	Control System for a Continuous Flow Microwave Effect Reactor	Dr Jeff Cullen
14.00 – 15.40	Oral Presentations Session 3	
15.40 – 16.00	Coffee Break – Poster presenters please attend posters	
16.00 – 16.30	Closing Ceremony - Prize Giving - Photographs – To be attended by all	Professor Andrew Young, Director of Research, LJMU

