

# CIICT 2009: FINAL PROGRAMME

TUESDAY	<b>Tues 18th</b>			
	18:00	Registration open in John Hume Building ground floor		
	18:30	Welcome reception in John Hume Building ground floor		
	20:00	Dinner and drinks in the Roost, Maynooth Main Street		
WEDNESDAY	<b>Wed 19th</b>			
	09:00	Registration opens in John Hume Building ground floor		
	Wed 19th	<b>OPENING SESSION</b> John Hume Theatre 2		
	09:30	<b>Conference Opening Ceremony</b> Adam Winstanley, CIICT 2009 Chair His Excellency Mr. Liu Biwei, Ambassador Extraordinary and Plenipotentiary of the People's Republic of China John Hughes, NUIM President		
	09:50	<b>SFI Keynote Presentation</b> tbc		
	10:45	Tea/coffee served on John Hume Boardroom, 3rd floor		
	11:15-12:45 90mins	<b>Section IA: ANTENNAS AND CIRCUITS I</b> John Hume 2; chair <i>Ronan Farrell</i>	<b>Section IB: LOCATION-BASED SYSTEMS</b> John Hume 3; chair	<b>Section IC: SIGNAL PROCESSING</b> John Hume 4; chair
		Demonstrator Platform for Antenna Array Calibration *  <i>Gerald P. Corley, Justine M. McCormack, Ronan J. Farrell</i>	Interpretation of Spatial Movement and Perception in Location Based Services  <i>Mac Aoidh, Eoin; Winstanley, Adam</i>	Digital Audio Watermarking by Magnitude Modification of Frequency Components Using the CSPE Algorithm *  <i>Wang, Jian; Healy, Ron; Timoney, Joseph</i>
		A Numerical Model to Estimate PIFA (Planar Invert F Antenna) Performance with Rotation Effect in Proximity to the Human Body * <i>Zhiyuan Duan</i>	Location Based Services of University Town Based on OpenStreetMap:NUI Maynooth as an example  <i>Zheng, Jianghua; Ciepluch, Blażej; Mooney, Peter; Winstanley, Adam</i>	Using Convolutional Non-Negative Matrix Factorization Algorithm To Perform Acoustic Echo Cancellation *  <i>Zhou, Xin; Liang, Ye; Cahill, Niall; Lawlor, Robert</i>
		Design of Compact Annular-Ring Patch Antennas for circular polarization *  <i>Xiulong Bao, Max Ammann</i>	Wiimote as a Navigation tool for Pedestrians  <i>Jacob, Ricky; Winstanley, Adam; Mac Aoidh, Eoin; Declan Meenagh</i>	Using Apodization to improve the performance of the Complex Spectral Phase Estimation (CSPE) Algorithm *  <i>Wang, Jian; Timoney, Joe; Hodgkinson, Matthew</i>
			Feedback Control Models and Their Application in Pedestrian Navigation Systems  <i>Yan, Lei; Pan, Zheng; Winstanley, Adam C.; Fotheringham, A. Stewart; Zheng, Jianghua</i>	Computing Modified Bessel functions with large Modulation Index for Sound Synthesis Applications  <i>Timoney, Joseph; Lysaght, Thomas; Lazzarini, Victor; Gao, Ruiyao</i>
			Tram and Bus Tracker: A Dynamic Web Application for Public Transit  <i>Shalaik, Bashir; Winstanley, Adam</i>	
	12:45-13:45	Lunch in Pugin Hall, South Campus		
	14:00	<b>Microsoft Keynote Presentation</b> John Hume Theatre 2		
		Lighting up the Web: next generation experiences using Silverlight and Expression  <i>Martha Rotter, Microsoft Ireland</i>		

14:50-16:10 75mins	<b>Section 2A: RADIO SYSTEMS 1</b> John Hume 2; <i>chair</i>	<b>Section 2B: GEOCOMPUTATION</b> John Hume 3; <i>chair</i>	<b>Section 2C: COMPUTER NETWORKS 1</b> John Hume 4; <i>chair</i>
	Wireless Billboard Channels established over T-DMB* <i>Ji, Zhanlin; Ganchev, Ivan; O'Droma, Máirtín</i>	Extracting Localised Mobile Activity Patterns from Cumulative Mobile Spectrum RSSI * <i>Doyle, John; Farrell, Ronan; McLoone, Sean; McCarthy, Tim; Hung, Peter</i>	Effect of Hard RTOS on DPDC SCADA System Performance * <i>Azad, AKM Abdul Malek; Hussain, C. M.; Alam, Marzia</i>
	RF SDR for Wideband PMR* <i>Gao, Ling; Farrell, Ronan J</i>	Evaluating Twitter for use in Climate Change awareness campaigns <i>Mooney, Peter; Winstanley, Adam; Corcoran, Pdraig</i>	Hybrid Decoding Schemes for Turbo-Codes * <i>Huang, Shujun; Zhan, Yinwei; Abhayaratne, Charith</i>
	Q-Learning in Cognitive Radios* <i>Hosey, Neil James</i>	Research on Unmanned Airship Low-altitude Photogrammetric Flight Planning and Pseudo-ortho Problems <i>Duan, Yini; Zheng, Wen-hua; Yan, Lei</i>	JavaScript code Fragment Analyzing for Cache Proxy <i>Zhou, Yachao; Wang, Xiaofei; Tang, Yi; Yang, Jieyan; Wang, Xiaojun</i>
		Spatial - temporal Simulation and Prediction of Sandy Desertification Evolution in Typical Area of Xinjiang * <i>Liu, Dunli; Zheng, Jianghua; Wang, Fei; Liu, Zhihui</i>	
16:05	<i>Tea/coffee served on John Hume 1st floor</i>		
16:30	<b>European Union FP 7 Programme</b> Presentation and discussion on funding opportunities available in FP7 for Chinese and Irish researchers <i>Andrea Valova, NUI Maynooth</i>		
18:00	<i>Coaches depart from South campus main gate</i>		
19:30	<i>Dublin evening Tour, and buffet dinner</i>		
23:00	<i>Coaches return to Maynooth</i>		

\* Presentations marked with an asterisk are scheduled for 25 mins + questions; all other session presentations are 15 mins + questions.

<b>THURSDAY</b>	<b>Thur 12th</b> 09:00-10:40	<b>Section 3A: CHANNELS AND PROPAGATION</b> John Hume 2; <i>chair</i>	<b>Section 3B: COMPUTER VISION</b> John Hume 3; <i>chair</i>	<b>Section 3C: GEOSENSORS</b> John Hume 4; <i>chair</i>
	100 mins	Research on the Gain flatness of Fiber-Optic Parametric Amplifier with Periodic Dispersion Compensation * <i>Jing, Jin; Li Qiliang</i>	A new algorithm of edge detection based on soft morphology * <i>Shang, Junna; Jiang, Feng</i>	Lightweight Signal Processing Algorithms for Human Activity Monitoring using Dual PIR-sensor Nodes * <i>Tahir, Muhammad; Hung, Peter; Farrell, Ronan;</i>
		ISIS – Urban Radio plan and time-variant characteristics of mobile vehicular network * <i>Jeyakumar, Serenus Daval; Linton, David</i>	3D tooth reconstruction with multiple B-Spline surfaces through linear least-squares fitting <i>Zhao, Nailiang; Ma, Weiyin</i>	Wavelength modulated off-axis integrated cavity system for trace H2S measurements * <i>Gu, Haitao; Yu, Dahai; Li, Xia; Gao, Xiumin; Huang, Wei; Wang, Jian</i>
		Investigation of Dispersive Fading in UWB Over Fiber Systems * <i>Castillo Leon, Antonio; Perry, Philip; Anandarajah, Prince; Barry, Liam</i>	Automatic Recognition of Head Movement Gestures in Sign Language Sentences <i>Kelly, Daniel; Reilly Dellanoy, Jane; Mc Donald, John; Markham, Charles</i>	Integrated air quality monitoring: applications of geosensor networks <i>Hayes, Jer Patrick; Lau, King-Tong; McCarthy, Robert J.; Diamond, Dermot</i>
		An Efficient Consolidated Authentication Scheme for the Handover Process in Heterogeneous Networks * <i>Song, Mei; Wang, Xiaojun</i>	Dirt and Sparkle Detection for Film Sequences <i>Gaughran, Peter; Bergin, Susan; Reilly, Ronan</i>	Approximate Analysis of Fibre Delay Lines and Wavelength Converters in an Optical Burst Switch <i>Tafani, Daniele; McArdle, Conor</i>
10:40	<i>Tea/coffee served on John Hume 1st floor</i>			
11:00-11:50	<b>Section 4A: ANTENNAS AND CIRCUITS 2</b> John Hume 2; <i>chair</i>	<b>Section 4B: eLearning</b> John Hume 3; <i>chair</i>		
	Design of Integrated Stacked Spiral Thin-Film Transformer Based on Silicon Substrate * <i>Zheng, Liang; Qin, Huibin; Daniels, Stephen</i>	Assessing Power Saving Techniques and Their Impact on E-learning Users * <i>Moldovan, Arghir Nicolae; Muntean, Cristina Hava</i>		
	Equivalent Circuit Modeling for On-Wafer Interconnects on SiO2-Si Substrate * <i>Liu, Jun; McCorkell, Charles; Lou, Liheng; Sun, Lingling; Wen, Jincai</i>	Billing Issues when Accessing Personalized Educational Content * <i>Molnar, Andreea Maria; Hava Muntean, Cristina</i>		

11:50-12:35	<b>INVITED PRESENTATION</b> John Hume 2 <b>Robot Soccer</b> <i>Rick Middleton, Hamilton Institute, NUI Maynooth</i>
12:45-13:45	Lunch in Pugin Hall, South Campus
14:00	Bus leaves for Newgrange Prehistoric Tomb Guided tour of Newgrange Prehistoric Tomb and Visitor Centre
18:00	Arrival back in Maynooth
19:00	Bus leaves for conference dinner
19:30	Conference dinner in Barberstown Castle (bring your tin whistle)

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<b>FRIDAY</b>	<b>Friday 21st</b>	<b>Section 5A: RADIO SYSTEMS 2</b>	<b>Section 5B: COMPUTER NETWORKS 2</b>
	09:00-10:15	John Hume 2: <i>chair</i>	John Hume 3: <i>chair</i>
	75 mins	A Blind Detection Method of Non-Periodic DSSS Signals at Lower SNR * <i>Pu, Junjie; Zhao, Zhijin</i>	Quality of Service in IMS based Content networking * <i>Li, Dalton; Lv, Jonathan</i>
		Power Consumption Analysis of Bluetooth in Sniff Mode * <i>Wen, Jiangchuan; Nelson, John</i>	The Enhanced Dv-Hop Algorithm in Ad Hoc Network * <i>Pin, Zhang; Zhifu, Xu</i>
		Necessity for an Intelligent Bandwidth Estimation Technique over Wireless Networks * <i>Yuan, Zhenhui; Venkataraman, Hrishikesh; Muntean, Gabriel-Miro</i>	Program Dependence Graph Generation and Its Use in Network Application Analysis <i>Huang, Jing; Wang, Xiaojun</i>
	10:15	Tea/coffee served on John Hume 1st floor	
	10:40-11:50	<b>Section 6A: DIGITAL HOLOGRAPHY</b>	<b>Section 6B: INTELLIGENT SYSTEMS</b>
	70 mins	John Hume 2: <i>chair</i>	John Hume 3: <i>chair</i>
		Segmentation and 3-D visualization of digital in-line holographic microscopy data.* <i>Molony, Karen, M; Naughton, Thomas, J</i>	Generating Initial Codebook of Vector Quantization Based on the Maximum Repulsion Distance * <i>Chen, Gang, Zhong, Sheng</i>
		Speed up of Fresnel transforms for Digital holography using pre-computed chirp and GPU processing. <i>Pandey, Nitesh; Hennelly, Bryan; Kelly, Damien; Naughton, Thomas</i>	Investigating the Influence of Population and Generation Size on GeneRepair Templates <i>Amy Fitzgerald, Diarmuid P O'Donoghue</i>
	Twin removal in digital holography by means of speckle reduction <i>Monaghan, David Samuel; Kelly, Damien; Pandey, Nitesh; Hennelly,</i>	Intelligent Learning Systems Where Are They Now <i>George Mitchell, Colm Howlin</i>	
	Review of Twin Reduction and Twin Removal Techniques in Holography <i>Hennelly, Bryan M.; Kelly, Damien P.; Pandey, Nitesh; Monaghan, David</i>	An Improved Haptic Algorithm for Virtual Bone Surgery <i>Denis Gerard Stack, Joseph Connell</i>	
		Corpus Design Techniques for Irish Speech Synthesis <i>Amelia Kelly, Ailbhe Ní Chasaide, Harald Berthelsen, Nick Campbell, Christer</i>	
12:15-1:00	<b>INVITED PRESENTATION</b> John Hume 2 <b>Real 3D Imaging Systems</b> <i>Levent Onural, Bilkent University</i>		
1:00 - 2:00	<b>Closing session</b> Invitation to CICT 2010 in Wuhan Lunch and prize-giving in Pugin Hall, South Campus		

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