

Networks

- P - Dejian Meng - *Intelligent Management of Context-Aware Services*
- V - Ioannis Barakos - *Ubiquitous knowledge-based management of ICT services in the home*
- P - Yiran Gao - *The DVM based dynamic VPN*
- P - Ali Hassan - *Intelligent resource management in next generation optical networks*
- P - Zhijia Huang - *An invariant in catastrophic networks*
- P - Peng Jiang - *Self organizing relay stations in relay based cellular networks*
- V - Kraisak Kesorn - *Cross-linked multi-semantic multi-mode annotations for images retrieval*
- P - Ling Liu - *Simplification of large complex networks via cycle conservation*
- V - Luo Liu - *Novel QoS in node-disjoint routing for ad hoc networks*
- P - Zekeng Liang - *Multi-agent and autonomic system models of ambient intelligence*
- P - Weizhi Luo - *Intelligent radio Access selection on heterogeneous wireless networks*
- P - Lina Men - *QoS based vertical handoff between WLAN and WiMAX compatible with the 802.21 framework*
- P - Usman Naeem - *Monitoring the aged in a home environment - analysis of the intentions of elderly people with Alzheimer s disease while conducting everyday activities of daily life (ADL)*
- P - Haris Pervaiz - *Sustaining wireless coverage in cellular networks in disaster and emergency scenarios*
- V - Oliver Shepherd - *Internet telephony in multi-scale 802.11 wireless networks*
- P - Guozhi Song - *Queueing network topology for modelling cellular/wireless LAN interworking systems*
- P - Jiayi Wu - *Cooperative and adaptive radio coverage in cellular communication networks*
- V - Kejing Zhang - *Traffic congestion forecasting in WCDMA networks*
- P - Jun Zhang - *Ubiquitous, flexible and distributed computing*

P - Poster Presentation

V - Video Presentation

Department of Electronic Engineering - Queen May, University of London

Research Open Day 2008 Programme

10:00 - 10:20	Reception
10:20 - 10:30	Welcome and Introduction
10:30 - 12:00	Poster/video viewing
12:00 - 12:30	Lunch Break
12:30 - 14:00	Poster/video viewing
14:00 - 14:30	Tea/coffee break; Lab tours
14:30 - 15:30	Keynote speech and prizes <i>Prof. Brian Collins</i> <i>"Selling Our Research Ideas"</i> <i>Consultant and QM Visiting Professor</i>

Our research focuses on four areas: Antenna and Electromagnetics, Digital Music, Multimedia & Vision and Networks. Research is at QMUL and also in our joint research labs in Beijing and Macau.



Thursday 24th April, 2008
The Octagon, The Queen's Building



Multimedia and Vision

- V - Nadeem Anjum - *Unsupervised trajectory clustering for video analysis*
- P - Krishna Chandramouli - *User relevance feedback using particle swarm optimisation*
- P - Ivan Damnjanovic - *Enabling Access to Sound Archives through Integration, Enrichment and Retrieval*
- P - Uros Damjanovic - *Classification of Visual Information Using Spectral Clustering*
- V - Le Dong - *A knowledge structuring technique for image classification*
- V - Tijana Janjusevic - *Image visualization*
- P - Stefan Karlsson - *Detection and tracking of humans and faces*
- P - Gabin Kayumbi - *Robust homography-based trajectory transformation for multi-camera scene analysis*
- P - Emilio Maggio - *Objective evaluation of pedestrian and vehicle tracking on the CLEAR surveillance dataset*
- P - Prathap Nair - *Region segmentation and feature point extraction on 3D faces using a point distribution model*
- V - Giuseppe Passino - *Patch-based image analysis for classification and retrieval*

Centre for Digital Music

- P - Matthew Davies - *Automatic rhythm transformations of musical audio*
- V - George Fazekas - *Semantic music analysis for intelligent audio editing*
- P - Maria Jafari - *Separation of speech signals using a sparse dictionary algorithm*
- P - Mark Levy - *Automatic annotation and music retrieval using a joint aspect model*
- P - Andrew Nesbit - *Audio source separation by time-frequency masking*
- V - Enrique Perez - *An automatic maximum gain normalization technique with applications to audio mixing*
- P - Yves Raimond - *Interlinking music datasets on the web*
- P - Andrew Robertson - *A real-time beat-tracker for live performance*
- V - Rebecca Stewart - *Interactive auralisation using high-quality impulse responses*
- V - Dan Stowell - *Robustness of vocal timbre features in live performance contexts*
- V - Steve Welburn - *Object coding audio using MIDI and DLS*
- P - Wen Xue - *Sinusoid modeling in a harmonic context*

P - Poster Presentation

V - Video Presentation

- P - Tomas Piatrik - *Semantic multimedia retrieval using ant colony inspired methods*
- V - Timothy Popkin - *Region-of-interest video encoding using object tracking data*
- P - Naeem Ramzan - *Optimal joint source channel coding for scalable video transmission over wireless channels*
- P - Murtaza Taj - *Multi-camera scene analysis using an object-centric continuous distribution hidden Markov model*
- V - Ioannis Tziakos - *Video event segmentation and visualisation in non-linear subspace*
- P - Toni Zgaljic - *Optimised compression strategy in wavelet-based video coding using improved context models*
- V - Keyu Tan - *Unequal error protection in mobile channel transmission using H.264/AVC*

Antennas

- V - Yasir Ahmed - *A 31.5GHz patch antenna for medical implants*
- P - Shu Xian Chen - *Gigabit powerline communications: characterisation of powerline channels*
- P - Lu Guo - *Miniaturisation of printed disc UWB monopoles*
- P - Yoonjae Lee - *Millimetrewave metamaterials with controlled defects and their applications*
- P - Daohui Li - *Dynamics in plasma-filled diode with loads in the presence of a magnetic field*
- V - Atiqur Rahman - *Unit-cell characterisation of metamaterial based leaky-wave antenna*
- V - Masood Ur Rehman - *Role of surface waves in on-body Bluetooth link*
- V - Sheng Wang - *Analysis of mutual coupling in broadband arrays*
- P - Xiaojing Wang - *Stability comparison between multi-resolution time-domain (MRTD) and finite-difference time-domain (FDTD) techniques*
- V - Anoma Yamsiri - *Validation of quasi optical design tool for quantitative analysis of beam aberration caused by planar signal conditioning components*
- P - Bin Yang - *Assessment of magnetic materials for use in quasi-optical non-reciprocal devices operating at frequencies above 90 GHz*
- V - Lianhong Zhang - *Millimetre wave imaging for concealed weapon detection*
- P - Yan Zhao - *Full-wave finite-difference time-domain simulation of electromagnetic cloaking structures*
- V - Zhenxin Zhu - *Design of a wideband thin helical antenna for cancer treatment*

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