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Future Directions in Multimedia Knowledge Management

Glasgow University
Goldsmiths, University of London
Imperial College London
Northumbria University
The Open University
Oxford University
Queen Mary, University of London
University of Brighton
University of Sheffield
University of Southampton

Funded by EPSRC



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Welcome to Milton Keynes

- Intro
 - What is the MMKM network?
 - What happens today?
 - Future of the MMKM network



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Multimedia Knowledge Management **Research** Network

- Multimedia analysis
- Semantic organisation
- Indexing
- Need elicitation and analysis
- Retrieval
- Summarisation, presentation and personalisation
- Access environment
- Capitalisation
- Evaluation



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Relevant research domains

- Information retrieval
- Databases
- Multimedia
- Computer vision
- Speech recognition
- Human Computer Interaction
- Digital Libraries
- The Arts
- Social media



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Aims and Objectives

- Promote communication: **workshops**, e-mail list
- Create and maintain **resources** (web site)
- **Assist training** of new researchers
- **Disseminate research activities** by network members
- Develop a **research roadmap** for Multimedia Knowledge Management and applications
- Sustain network past Feb 2008



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Open to new members

- Individuals working in this area
 - join e-mail list on www.mmkm.org
- Groups working in this area: join network
 - E-mail s.rueger@open.ac.uk
 - 1) what the group does
 - 2) how you can contribute to the network



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So far £63K spent on...

- Support for
 - 79 trips to conferences, summer schools, labs, ... mainly young researchers
 - 9 Workshops
 - Future Directions in Multimedia Knowledge Manag, Milton Keynes, Feb 2008
 - Semantic Image Retrieval – The User Perspective, Brighton, Mar 2007
 - Industry meets academia, Milton Keynes, Jan 2007
 - Adaptive Information Retrieval (AIR), Oct 2006, Glasgow
 - Visual Categorisation and Image Management Systems, Sunderland, June 2006
 - Semantic Interoperability for e-Research in the Sciences, Arts and Humanities, London, Mar 2006
 - European workshop on the integration of knowledge , Semantic and multimedia technologies, London, Dec 2005
 - Adaptive Multimedia Retrieval Workshop, Glasgow, Jul 2005
 - Kick-off workshop, London, Sept 2004
 - 3 Summer schools
 - SSMS 2007, Glasgow
 - ESSIR 2007, Glasgow
 - ESSIR 2005, Dublin



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Roadmap activities

- Identify strengths and trends in UK MMKM area
- Co-author a “living” document in stages
- Document now
 - covers state of the art (contributed by UK community)
 - initial draft of future trends and activities
- next and last round (Mar 2008)
 - publish draft and ask for contributions to future trends
 - finalise recommendations to sponsors and research funders



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Today: Future directions

10: 30 Frederic Fol Leymarie, Goldsmiths, Uni of London: the Arts
Alex Hauptmann, CMU: Multimedia Information Retrieval
Thomas Seidl, RWTH Aachen University: Multimedia Databases

12:00 Poster & lunch

13:30 Wolfgang Nejdl, University of Hanover: social media
Steffen Staab, University of Koblenz-Landau: Semantic Web
Ken Wood, Microsoft Research, Cambridge: industrial applications
Maja Pantic, Imperial College London: multimodal HCI

15:30 coffee

16:00 Panel with all speakers



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The Future of the Network

- from 1 Mar 2008 – 31 Aug 2011
new funding from the EU NoE PetaMedia
 - conference and summer school travel support normally only for junior researchers (postdocs and PhD students)
 - lab exchanges: 3-9 months for junior researcher
1-3 months for senior researcher
 - 1-day workshop organisation support
 - activities **need one MMKM component:** eg, junior MMKM researcher visits some conference in the world, international researcher visits a MMKM lab



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How to apply (tbc)

- contact us through the [mmkm.org](http://www.mmkm.org) website
- funding applications will be collected and monthly evaluated by the steering committee
 - Ian Horrocks (Oxford)
 - Ebroul Izquierdo (Queen Mary)
 - Paul Lewis (Southampton)
 - Frederic Fol Leymarie (Goldsmiths)
 - Maja Pantic (Imperial)
 - Keith van Rijsbergen (Glasgow)
 - Stefan Ruger (chair, The Open University)
 - Mark Sanderson (Sheffield)



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Multimedia Knowledge Management Network: Industry meets Academia!

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 - Helen Huang (microphone left aisle)
 - Qiang Huang (A/V liaison)
 - Ainhua Llorente (registration material)
 - Adam Rae (welcome desk and journalist)
 - Dawei Song (posters, chairing sessions)
 - Catherine Thomas (catering, printing, rooms, boards)
 - Aneta Tumilowicz (parking, hotel)
 - Chris Valentine (still photography)
 - Jianhang Zhu (microphone right aisle)



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