Remote sound performance and production using this facility raises a number of challenging questions, which Chris is interested in helping to solve. The first of these is the challenge of having a fully real-time remote collaboration; for this to occur, a latency of less than about 15 milliseconds is considered necessary. However, the current connection between Dunedin and Auckland on KAREN has a round-trip latency of around 25 milliseconds, with even longer latencies for international links. Another challenge is how to synchronise the audio hardware clocks; in a traditional digital recording studio, the clocks for all devices are synced off a “master” clock via a dedicated physical connection. In a remote collaborative recording studio, devices are connected over multiple networks and do not have that physical connection.

Once these initial technical issues have been ironed out, the team will begin to explore what is technically possible in terms of collaborative music performance and production, and assist the artists with what they are expecting they will be able to achieve.

Chris will be giving a Computer and Information Science seminar on his current work on Friday 23rd July, 1pm, Archway 2. All are welcome to attend.

Recent Publications

Journals:

  [http://www.sciencedirect.com/science/article/B6WPG-4YCB0MS-3/2/d37bf8d0f9f41ce4c6f1b7f0c8e71564](http://www.sciencedirect.com/science/article/B6WPG-4YCB0MS-3/2/d37bf8d0f9f41ce4c6f1b7f0c8e71564)


  [http://www.springerlink.com/content/2g7z2o1860204683/?p=f2c97cbf8ea443da5df99c5c742ffe&pi=1](http://www.springerlink.com/content/2g7z2o1860204683/?p=f2c97cbf8ea443da5df99c5c742ffe&pi=1)


Conference Papers:


21st Australasian Software Engineering Conference (ASWEC)

The 21st Australian Software Engineering Conference (ASWEC 2010) was held in Auckland between the 6th and 9th of April of this year. It was the first time it had been held outside of Australia and attracted about 100 attendees from both academia and industry.

Dr. Nigel Stanger and Dr. Brendon J. Woodford were appointed the tutorial co-chairs, which involved soliciting, reviewing and selecting tutorial proposals that were relevant to the topics of the conference. Two tutorials were accepted, both of which were presented by Philippe Kruchten, formerly of Rational Software Corporation.

The tutorials were on "The Subtle Art of Release Planning" and "Agility and Architecture: An Oxymoron?". Philippe Kruchten also presented the first keynote of the conference on "Is Agile Simply a Passing Fad? A Post-agilist View", which was well received. The other two keynotes were by K. Rustan M. Leino of Microsoft Research on "Contracts, tools, verification" and Gareth Cronin of Kiwiplan on "Hacking in FORTRAN in the 21st century".

The paper sessions were also very interesting with topics ranging from Risk Management to Software Engineering Education, providing a good mix of content presented both by academics and people within the software engineering industry. There was also a great selection of poster presentations, submitted mainly by postgraduate students.

One of the more interesting sessions was on the final afternoon of the conference: a panel session with representatives from Microsoft New Zealand, IBM, Mozilla, and Datacom who spoke to the theme of the conference which was "Engineering Software for Economic Growth".

- Text supplied by Brendon and Nigel

NZ Crime and Security Survey Grant

Associate Professor Hank Wolfe has recently received a grant of $15,241 from Internet New Zealand to fund continued work on the New Zealand Crime and Security Survey.

BuildIT Travel Award Received

Tony Savarimuthu was awarded a BuildIT Researcher Career Development Travel Award to attend the Autonomous Agents and Multi-Agent Systems conference (AAMAS 2010) held in Toronto, Canada from 10-14 May 2010. He presented two papers of his own and one by Sharmila Savarimuthu. All papers were well received and Tony found the conference valuable to have attended.

Otago Publishing Grant Received

Postgraduate student, Femi Aderohunmu, has been awarded an Otago Postgraduate Publishing bursary grant at the completion of his Masters thesis to complete is paper on "Managing Energy Heterogeneity in Wireless Sensor Networks: Protocol Design and Evaluation". This will be submitted to IEEE Transactions on Mobile Computing later this month.

AAMAS 2012 Appointments

Associate Professor Michael Winikoff has been appointed one of two program co-chairs for the International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS) in 2012. AAMAS is a top rated conference in its area, and based on the Australian ERA Conference Ranking Exercise, it is an A-rated conference. Associate Professor Stephen Cranefield has been appointed publicity chair for AAMAS 2012 as well.

Research Group Details

- Database Research Centre (DARC)
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- Distributed Computing & Software Agents Research Centre (DCSA)
  http://secml.otago.ac.nz/dcsa/
- Health Informatics Research Group (HIRG)
  http://www.hein.otago.ac.nz/
- Knowledge, Intelligence & Web Informatics Laboratory (KIWI)
  http://www.business.otago.ac.nz/infosci/labs/KIWIlab/
- Multimedia Systems Research Laboratory (MSRL/HCI)
  http://www.hci.otago.ac.nz/
- Otago Next Generation Networks & Services Test Bed Facility (ONGENS)
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- Security Research Group (SRG)
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- Software Engineering & Collaborative Modelling Laboratory (SECMCL)
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