

Report on Visit by Dr. Stephen Marsh, CRC Canada, August 2011

Tim Storer

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Summary of Activities

Dr. Marsh made visits to the Universities of Aberdeen, Strathclyde and St Andrews. During each visit he delivered a research seminar and held one-one meetings with interested academics. Each visit was used to explore the potential for future collaborations. Marsh was able to provide contact information for researchers working in Canada who's work would be of relevance to a number of academics at the Universities of Aberdeen and Strathclyde. Marsh, for example, was able to facilitate access to datasets held in Canada for researchers at the University of Strathclyde.

A one-day summer school on computational trust, comfort and critical infrastructures was held at the University of Glasgow, led by Dr. Marsh. The summer school was attended by approximately 20 research students from a number of SICSA institutions. The summer school provided an introduction to the application of computational trust, but also provided a forum for students from different research groups to exchange and discuss their ideas.

A one day SISCA workshop was also held during the visit, hosted by the University of Glasgow. Dr. Marsh gave the keynote for the workshop and led the discussions during the afternoon. The workshop was based on the SICSA socio-technical systems network.

Follow on Activities

An invited paper co-authored by Dr. Marsh's research team at CRC and Dr. Storer has been published on the topic of computational comfort [Marsh et al., 2012].

Following Marsh's visit an Institutional Sponsorship grant to support a 12 month collaborative research programme between Dr. Marsh and Dr. Storer was applied for and recieved in March 2012. The funding was requested to allow Dr. Storer and Dr. Marsh to continue to collaborate on research ideas concerning critical infrastructure monitoring and management, and multi-agent comfort first discussed during Dr. Marsh's fellowship visit.

The project is running for 12 months from March 2012. The funding supported Dr. Storer to visit CRC Canada and Carleton University during June 2012 and will support a visit in February 2013. A paper on applying multi-agent comfort to critical infrastructures is in preparation for DSN 2013 based on the collaboration during June. The visit during February 2013 will be used to plan a collaborative research grant application for the New Year.

This reciprocal visit has also opened contacts between Dr. Storer and Professor Babak Esfandiari and his research group, based at Carleton University. Dr. Storer and Professor Esfandiari have begun to explore potential future collaborations concerning multi-agent systems and computational comfort. In particular, Dr. Storer and Professor Esfandiari are exploring postgraduate student exchanges for 2013.

References

Stephen Marsh, Sylvie Noël, Tim Storer, Yao Wang, Pam Briggs, Lewis Robart, John Stewart, Babak Esfandiari, Khalil El-Khatib, Mehmet Vefa Bicakci, Manh Cuong Dao, Michael Cohen, and Daniel Da Silva. Non-standards for trust: Foreground trust and second thoughts for mobile security. In Catherine Meadows and Carmen Fernandez-Gago, editors, *Security and Trust Management 7th International Workshop, STM 2011, Revised Selected Papers*, volume 7170 of *Lecture Notes in Computer Science*, pages 28–39, Copenhagen, Denmark, 2012. Springer Verlag. Invited paper.