Department of Computing

Terms of Reference – 2014 External Review

1. Governance, Leadership and Management
   Review the effectiveness of the Department of Computing planning, leadership and management structure, processes and resources in responding to Faculty and University strategic planning directions.

2. Academic Program
   Review the appropriateness of the degrees, programs, and units offered by Department of Computing relative to Faculty and University priorities, employer and professional community demands.

3. Research
   Review current research outputs, activity, and capability relative to Faculty and University objectives including opportunities for developing research and knowledge leadership.

4. Research Training
   Review the HDR program, including admission standards, methodology and skills training, completion times and drop-out rates, supervision and reporting standards.

5. Staff and Student Profile
   Review the alignment of academic, professional, and student profile relative to current and future objectives and plans.

6. Community Engagement
   Review the scale, scope, and quality of community/industry engagement, including external/professional contribution to and referencing of, curriculum and research development.

7. Future Directions
   Recommend future development opportunities for Department of Computing in terms of its resources, research, teaching and community/industry engagement activity.
----- Forwarded message -----
From: Christophe Doche <christophe.doche@mq.edu.au>
Date: 3 April 2014 20:10
Subject: Re: Fwd: Computing review - Terms of Reference
To: Dean Science <dean.science@mq.edu.au>

Please find additional information on the proposed panel members as requested.

I recommend Prof Lucy Taksa or A/Prof Mark Evans to sit on the review panel.
I don't think it is necessary to introduce Macquarie Staff.

Regarding the external members, I recommend to pick two academics among:

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Prof Doug Grant
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Doug Grant is Professor Emeritus at Swinburne University of Technology in Melbourne in the Faculty of Science, Engineering and Technology. More precisely, he is affiliated to the Department of Computer Science and Software Engineering in the School of Software and Electrical Engineering.

He is a former Dean of the Faculty of Information Technology at Swinburne. He led a Faculty of over 100 staff and 2000 students, with oversight of the disciplines of Computer Science, Information Systems, Telecommunications Engineering and Astrophysics.

He was also:
- Vice President (Membership Boards) at Australian Computer Society;
- Director, Professional Standards Board at Australian Computer Society;
- Provost at Melbourne Institute of Technology.

He chaired the most recent ACS accreditation visit of the Department of Computing at Macquarie in Oct 2013.

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Prof Vladimir Estivill-Castro
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Vladimir Estivill-Castro is Professor at Griffith University, Queensland. He holds a Ph.D. from the University of Waterloo in Canada and degrees from UNAM in Mexico. He serves in the editorial board of the Journal of Research and Practice in Information Technology, is editor in chief of the series Conferences in Research and Practice in Information Technology and serves on the editorial review board of the International Journal of Data Warehousing and Mining. He regularly visits the Universitat Pompeu Fabra in Spain.

He is currently team leader of MI-PAL, who has participated in RoboCup
2011, RoboCup 2012 and RoboCup 2013 in the Standard Platform League using the Humanoid Robot Nao. His main interest are software engineering, algorithmic engineering, computational complexity, intelligent data analysis, privacy preserving data mining and knowledge discovery.

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Prof Janet Verbyla
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Janet Verbyla is Professor at the University of Southern Queensland where she holds the role of Senior Deputy Vice-Chancellor.

She has overall responsibility for the University’s academic programs, and provides executive leadership for faculty-based strategy, programs and course development. Her portfolio includes the University’s five faculties and three campuses.

Prior to commencing in the role of Senior Deputy Vice-Chancellor, she held a range of roles at USQ, including Dean of Faculty of Sciences, Pro-Vice-Chancellor (Student Management), Pro Vice-Chancellor (Enterprise) and Acting Deputy Vice-Chancellor.

She was Head of the School of Informatics and Engineering at Flinders University in South Australia. Her discipline background is in software and information engineering.

She is the immediate past president of the Australian Council of Deans of ICT. She established ACDICT’s Learning and Teaching Academy.

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A/Prof Chris Johnson
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Chris Johnson is Associate Professor at the Australian National University in Canberra. He was Associate Dean (Education) for the ANU College of Engineering and Computer Science from 2009 to 2013. He was also Head of the Department of Computer Science from 1999 to 2003 and then from 2004 to 2007.

He is a Member of the IEEE (MIEEE) and the Australian Computer Society. In ACS, he was Director of the Academic Board Computer Science, a bridge between the academic community and the profession between 2010 and 2012. His research interests are in computing education, particularly policy and practices of plagiarism, non-numerical parallel and distributed programming, and programming language implementation, distributed computing, Web computing, document style and representation.

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Prof Bob Williamson
Bob Williamson is Professor at the Australian National University in Canberra. He joined the Australian National University as a postdoctoral fellow in the Department of Systems Engineering in 1990 and held a series of appointments before becoming a professor and head of the Computer Sciences Laboratory, Research School of Information Sciences and Engineering at the Australian National University.

From 2003 to early 2006 Professor Williamson was the Director of NICTA’s Canberra Research Laboratory. In 2006 he was appointed as NICTA’s Scientific Director. Since 2011 he has been leading the Machine Learning group.

He is a member of the advisory board of the National Institute of Informatics (Japan) and the Scientific Advisory Board of the Max-Planck Institute for Biological Cybernetics.

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A/Prof John Hurst
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John Hurst was employed at Monash University from 1987 to 2010 (as Associate Professor from 1994), and now holds the position of Adjunct Associate Professor.

He was Associate Dean (Teaching) for the Faculty of Information Technology at Monash University from 1996 to 2004. He also served a 2-year term as President of the Academic Board of Monash University. He is actively involved with the Australian Computer Society Education Board, and is currently a member of the Academic Board for ACS. He takes part in regular university accreditations for both the ACS and Engineers Australia.

During his full-time employment with Monash University, he was co-leader of a research group called the Computing Education Research Group (CERG), whose most significant project was an investigation into best practice and innovation in IT and CT, funded by the Australian Universities Teaching Commission for $300,000 over two years.

His research interests include programming languages and software engineering, particularly in the areas of persistence, compiler construction, literate programming, document technologies, and, most recently, computing education.

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Prof Leon Sterling
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Leon Sterling is Professor at Swinburne University of Technology in Melbourne. He became recently Pro Vice-Chancellor (Digital
Frontiers). This new position is intended to provide leadership for Information Technology across the university in research teaching, and IT innovation.

From January, 2010 until December 2013 he was the Dean of the Faculty of Information and Communication Technologies at Swinburne. From July 1995 until the end of 2009, he was a professor at the University of Melbourne’s department of Computer Science and Software Engineering.

He is currently on the ARC college of experts in Engineering, Mathematics and Informatics.