

2014 Imperial College Computing Student Workshop

ICCSW'14, September 25–26, 2014, London, United Kingdom

Edited by

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ICCSW

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■ Preface

We are pleased to present the proceedings of the fourth Imperial College Computing Student Workshop (ICCSW'14), which took place on 25th–26th September 2014 in London, and was hosted by Imperial College London.

ICCSW is an event organised with the “by students, for students” ethos in mind. The organisation work of the workshop was done by the committee formed of Ph.D. students from the ACM Student Chapter in the Department of Computing, Imperial College London.

The vision for ICCSW is to provide a venue for doctoral students to experience running and participating in an academic workshop, as well as providing a networking opportunity for researchers in similar stages of their career. All of the papers and reviews for ICCSW were written by students; we adopted a unique peer review system in which all authors are also programme committee members for the workshop.

We operate a highly successful ambassador programme for students in different institutions to promote ICCSW. This invaluable programme helps to increase the scope and prominence of the event both nationally and internationally.

These proceedings contain 12 contributions in various fields from across computer science. This year the workshop received 20 submissions over two tracks: technical papers track survey track. After a rigorous review and selection process, 12 papers were accepted to be presented at ICCSW'14, representing a 60% acceptance rate.

Both days of the workshop featured a keynote from a prominent researcher in computer science; We were truly grateful to have as keynote speakers (1) a winner of the POPL Most Influential Paper Award, an ACM Fellow and a Fellow of Royal Society of Edinburgh, Professor Philip Wadler from the University of Edinburgh and (2) one of the co-founders of Google DeepMind Technologies and a recipient of the Canadian Singularity Institute research prize, Dr. Shane Legg from Google.

The keynote talks were entitled:

- You and Your Research and the Elements of Style, by Prof. Philip Wadler;
- From academia to industry: The story of Google DeepMind, by Dr. Shane Legg.

On behalf of the organising committee, we wish to thank all authors and our ambassadors, who acted as reviewers in our unique peer review process. Furthermore, we also wish to thank our sponsors: Imperial College London, who provided us with more than just financial support; Google, our platinum-level sponsor, who have supported ICCSW since its inception in 2011; ARM for their bronze-level sponsorship. Without the support of our sponsors, ICCSW'14 would not have been possible.

Rumyana Neykova and Nicholas Ng
ICCSW'14 Editors



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