

## Preface: 7<sup>th</sup> Heavy Ion Accelerator Symposium (HIAS) 2019

A. J. Mitchell\*, S. Pavetich, and D. Koll

Department of Nuclear Physics, Research School of Physics, The Australian National University, Canberra, ACT 2601, Australia

From the 9<sup>th</sup> – 13<sup>th</sup> September 2019, the Department of Nuclear Physics of the Australian National University welcomed delegates from around the world to Canberra for the 7<sup>th</sup> Heavy Ion Accelerator Symposium (HIAS). The Symposium series, which began in 2012, provides a forum for like-minded scientists to build cross-institutional and interdisciplinary links in research areas exploiting the capabilities of heavy-ion accelerators and their associated state-of-the-art instrumentation. Participants of the conference series include national and international scientists, instrumentation and accelerator experts, postgraduate and undergraduate research students and potential user communities.

While the Symposium series is organised along the broad theme of ‘Applications of Heavy-Ion Accelerators’, each edition has a particular focus. The HIAS 2019 conference invited contributions in line with the following research themes:

- Nuclear structure and nuclear data;
- Accelerator Mass Spectrometry Applications;
- Nuclear Astrophysics;
- Nuclear Reactions; and
- New Instrumentation for Nuclear Science and Applications.

Over eighty delegates were welcomed to Canberra with a traditional ‘Welcome to Country’ ceremony that was conducted by an Elder representative of the local Aboriginal Ngunnawal community. The Symposium was officially opened by the Australian National University Deputy Vice-Chancellor (Research and Innovation), Professor Keith Nugent. Sixty-two oral presentations covering diverse topics across each of these themes were delivered and discussed across the five-day program.



HIAS 2019 conference photograph.

**HIAS 2019 Organising Committee:** Dr Tibor Kibédi (Symposium Co-Chair), Dr Anton Wallner (Symposium Co-Chair), Professor Mahananda Dasgupta, Dr Michaela Froehlich, Professor Greg Lane, Dr Nikolai Lobanov, Dr AJ Mitchell, Dr Stefan Pavetich, Ms Petra Rickman, Professor Cédric Simenel, Dr Edward Simpson, Professor Andrew Stuchbery, and Dr Stephen Tims.

**HIAS 2019 Scientific Committee:** Professor Mahananda Dasgupta, Dr Michaela Froehlich, Professor David Hinde, Dr Tibor Kibédi, Professor Greg Lane, Professor Andrew Stuchbery, and Dr Anton Wallner.

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We hope you enjoy these proceedings and invite you to participate in future editions of the Symposium series.

\*email: [aj.mitchell@anu.edu.au](mailto:aj.mitchell@anu.edu.au)