

Australian Institute of Physics Congress in Canberra, Australia

February 7, 2015 (HE99). The [21st biennial Australian Institute of Physics Congress](#) “The Art of Physics” was held at the Australian National University in Canberra on December 7-11, 2014. The Congress also incorporates the Annual meeting of the Australian Optical Society, as well as meetings of the many technical groups and discipline areas associated with the Australian Institute of Physics.

The [scope](#) of the Congress is very broad. The [abstracts](#) of all presentations, as well as the [pdf files of the oral presentations](#) can be viewed at the Congress web site by following the corresponding hyperlinks.

Some selected presentations related to the superconductivity are highlighted below in the alphabetical order of the presenter’s names.

1. **Chong, Shen V.** [*Doping dependence of \$H_{c2}\$ and \$J_c\$ in polycrystalline \$CeFeAsO_{1-x}F_x\$ superconductors*](#)
2. **Duty, Timothy** [*Time-resolved single charge transport in nano-structured chains of superconducting tunnel junctions*](#)
3. **Filipp, Stefan** [*Exploring geometric phases and gates with superconducting quantum circuits*](#)
4. **Pan, Alexey V.** [*Hybrid superlattices with technologically controlled properties governed by well-organised phase separation*](#)
5. **Ulrich, Clemens** [*Element-Specific Depth Profile of Magnetism and Stoichiometry at the \$La_{0.67}Sr_{0.33}MnO_3/BiFeO_3\$ Interface*](#)
6. **Xia, Keyu** [*An opto-magneto-mechanical quantum interface between distant superconducting qubits*](#)