CS Activity Report for the IUPAP Council and Commission Chairs Meeting  
April 2015  
(submitted by J. Saunders, Chair C5)

Officers/Members 2014-2017

Chair: John Saunders, UK  
Vice-Chair: Srinivasan Ramakrishnan, India  
Secretary: William Halperin, USA  

Members:  
- Viktoria Bekeris, Argentina  
- John Beamish, Canada  
- Hong Ding, China  
- Pertti Hakonen, Finland  
- Jean-Pascal Brison, France  
- Christian Pfleiderer, Germany  
- Naoto Nagaosa, Japan  
- Hans Hilgenkamp, Netherlands  
- Maxim Kagan, Russian Federation  
- Peter Skyba, Slovakia  
- Juhn-Jong Lin, Taiwan  

Associate Members (2013-2015):  
- Jacek Kossut, Poland  
- YoshiChica Otani, Japan

Main Achievements

Brief Review of Activity in 2014
See activity report for the IUPAP General Assembly, November 2014 for further detail.

Two sponsored conferences took place:  
Type B: International Conference on Ultralow Temperature Physics (ULT2014), Aug 14-19, San Carlos de Bariloche, Argentina.

LT27 was the first of this series held in the Southern Hemisphere and the first in South America. Both the Conference Chair and Co-Chair were women.

Three IUPAP Young Scientist Prizes were presented, with associated invited talks. The Prizes were awarded to Cory R Dean, Leonardo DiCarlo and Mathieu Le Tacon.

The London and Simon prizes, the two major international prizes in Low Temperature Physics were presented, with associated invited talks, at the opening ceremony. The London Prize, sponsored by C5, was awarded to Michel Devoret, John Martinis and Robert J Schoelkopf. The Simon Prize was awarded to Peter Wölfle.

Commission C5 met at LT27 in August 2014. Subsequent business has been conducted by e-mail. C5 has received the report on ULT 2014 (posted on IUPAP site), and a full report (draft) from the LT27 organisers.
The proceedings of LT27 were published online in December 2014 (Journal of Physics Conference Series, Volume 568). As well as an Editorial Foreword, the report on LT27 prepared by C5 (included in the November 2014 activity report) is also published there.

**Sponsored Conferences (2015)**

Type B
International Symposium on Quantum Fluids and Solids 2015 (QFS2015)
Aug 10-15, 2015, Niagara Falls, USA
About 200 participants
Chair: F Gasparini, Co-Chair: E. Krotscheck.

**Sponsored Conferences Proposed in 2016**

Type B
International Symposium on Quantum Fluids and Solids 2016 (QFS2016)
Aug 11-15, 2016, Prague
About 250 participants
Chair: L Skrbek
IUPAP sponsorship has been requested (submission date 23 March 2015). This request has received unanimous approval from C5.

**Planned Sponsored Conferences (2017)**

Type A
28th International Conference on Low Temperature Physics (LT28). Selected by C5. Request for support anticipated.
Aug 9-16, 2017, Gothenburg, Sweden
About 1,200 participants
Chair: P. Delsing, Co-Chairs: M. Fogelström, J Bylander, F Lombardi.

Type B
August 2017, Heidelberg, Germany
About 200-250 participants.
Chair: C. Enss.