

C5 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 A: 27th International Conference on Low Temperature Physics (LT27), Aug 6-13, 2014 Buenos Aires, Argentina.

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

International Conference on Ultralow Temperature Physics (ULT2017). Approved by C5. Request for support anticipated.

August 2017, Heidelberg, Germany

About 200-250 participants.

Chair: C. Enss.