

Program

Physics Days 2016 – 29-31.03.2016 – Oulu

Tuesday, March 29, 2016

10:00–19:00	Registration desk open
11:00–13:00	Lunch
12:00–12:45	Pre-conference session (<i>Saalasti Hall, Chair: Miika Nieminen</i>) <ul style="list-style-type: none">• Janne Salo, ERC scientific officer: European Research Council – funding for frontier research Commentary by Simo Saarakkala and Miika Nieminen
13:00–19:00	Exhibition
13:00–13:30	Opening (<i>Saalasti Hall</i>) <ul style="list-style-type: none">• Organizers and University of Oulu• The Finnish Physical Society• Institute of Physics
13:30–15:00	Plenary session I (<i>Saalasti Hall, Chair: Marko Huttula</i>) <ul style="list-style-type: none">• Anders Nilsson: Fundamental X-ray studies of chemical energy transformations at interfaces: in-situ to ultrafast• Christian Degen: Quantum sensing with single spins in diamond
15:00–15:30	Coffee break
15:30–17:00	Parallel Sessions: <ul style="list-style-type: none">• Atomic and molecular physics (<i>IT116, Chair: Ville-Veikko Telkki</i>)• Teaching in physics (<i>TS128, Chair: Saana-Maija Huttula</i>)• Photonics (<i>TS101, Chair: Juha Toivonen</i>)• Condensed matter I (<i>Saalasti Hall, Chair: Jani Tuorila</i>)• Particle and nuclear physics I (<i>IT112, Chair: Timo Enqvist</i>)
17:00–19:00	Poster sessions and coffee: <ul style="list-style-type: none">• Atomic and molecular physics• Teaching in physics• Photonics• Condensed matter I• Particle and nuclear physics
17:00–18:00	Divisional meetings <ul style="list-style-type: none">• Synchrotron radiation (<i>TS101</i>)• IOP chapter (<i>TS128</i>)• EPS Young Minds (<i>TellUs Innovation Arena, Stage</i>)
18:30–19:30	Studia Generalia lecture (<i>City library, Pakkalan Sali, Chair: Matti Alatalo</i>) <ul style="list-style-type: none">• Hanna Vehkamäki: Ilmastonmuutoksen mustat ja valkoiset lamfaat - ilmakehän pienhiukkaset
20:00–21:30	City reception (<i>Oulu City Hall</i>)

Wednesday, March 30, 2016

8:30–18:45	Registration desk open
9:00–18:00	Exhibition
9:00–10:30	Plenary session II (<i>Saalasti Hall, Chair: Hannu Koskinen</i>) <ul style="list-style-type: none"> • Announcement of Magnus Ehrnrooth prize • Kerstin Borrás: Exploring Elementary Particles at the LHC - A Look at Recent Results and into the Future • Johan Knapen: Spectroscopic studies of galaxy evolution
10:30–11:00	Coffee break
11:00–12:30	Parallel Sessions: <ul style="list-style-type: none"> • Bio- and medical physics (<i>TS101, Invited speaker: Pasi Tavi, Chair: Mika Kortensniemi</i>) • Astronomy and space physics I (<i>IT116, Chair: Sebastien Comeron</i>) • Particle and nuclear physics II (<i>TS128, Chair: Jan Rak</i>) • Condensed matter II (<i>Saalasti Hall, Chair: Ilja Makkonen</i>)
12:30–13:30	Lunch
13:30–15:45	Plenary session III (<i>Saalasti Hall, Chair: Kai Nordlund</i>) <ul style="list-style-type: none"> • Christoph Quitmann: X-rays: Spectroscopy and so much more • Mischa Bonn: Structure and Dynamics of Water at Interfaces • Risto Ilmoniemi: New technology for electromagnetic measurement and stimulation of the human brain
15:45–17:45	Poster sessions and coffee: <ul style="list-style-type: none"> • Bio- and medical physics • Astronomy and space physics • Condensed matter II • Synchrotron radiation • Energy and environment
16:45–17:45	Divisional meetings: <ul style="list-style-type: none"> • Space physics (<i>TS101</i>) • Computational physics (<i>TS128</i>)
17:45–18:45	Annual meeting of The Finnish Physical Society (<i>Saalasti Hall</i>)
20:00–23:00	Conference dinner (<i>Radisson Blu Hotel</i>)
23:00–	Music (<i>Petrellin Saluuna</i>) <ul style="list-style-type: none"> • The New Oulu Big Bang, including members of the Physics Days organizing committee

Thursday, March 31, 2016

8:30–13:30	Registration desk open
9:00–13:30	Exhibition
9:00–10:30	Parallel Sessions:

	<ul style="list-style-type: none"> • Synchrotron radiation (<i>IT112, Chair: Kari Jänkälä</i>) • Energy and environment (<i>Saalasti Hall, Chair: Mikko Hakala</i>) • Astronomy and space physics II (<i>IT116, Invited speaker: Craig Heinselman, Chair: Anita Aikio</i>)
10:30–11:00	Coffee break
11:00–13:15	Plenary session IV (<i>Saalasti Hall, Chair: Olli Ikkala</i>) <ul style="list-style-type: none"> • Esko Herrala: Frontiers of hyperspectral imaging instruments • Magnus Berggren: Organic Bioelectronics and Electronic Plants • Minna Palmroth: Recent advances in magnetospheric physics
13:15–13:30	Closing <ul style="list-style-type: none"> • Best talk and poster awards