

Tuesday, April 6	
08:30	Registration desk opens
9:00-9:15	<i>Welcome</i> Claes-Göran Wahlström , Lund University Vice Chancellor Per Eriksson , Lund University
Session I - Lasers and laser spectroscopy Chairman: Stefan Kröll , Lund University	
9:15-10:00	<i>Lasers 50 years</i> Orazio Svelto , Polytechnic Institute of Milan, Italy
10:00-10:30	Coffee
10:30-11:30	<i>Adventures of laser spectroscopy</i> Theodor Hänsch , Max Planck Institute of Quantum Optics, Garching, Germany
11:30-12:15	<i>Laser spectroscopy and atomic structure investigations</i> Emile Biémont , University of Liège, Belgium
12:15-13:45	Group Photo and Lunch
Session II - Environmental monitoring and combustion physics Chairman: Per-Erik Bengtsson , Lund University	
13:45-14:15	<i>Laser diagnostics in combustion - what happened?</i> Marcus Aldén , Lund University
14:15-15:00	<i>Laser diagnostics and mathematical modelling in combustion</i> Jürgen Wolfrum , University of Heidelberg, Germany
15:00-15:30	Coffee
15:30-16:15	<i>Fluorescence LIDAR remote sensing of our environment and cultural heritage</i> Giovanna Cecchi , Institute for Applied Physics Nello Carrara, Florence, Italy
16:15-16:45	<i>Laboratory x-ray micro- and nano-imaging</i> Hans Hertz , Royal Institute of Technology, Stockholm Sweden
16:45	Short reflections/ presentations
18:30	Dinner After Dinner Speech: <i>Once upon a time there was no laser</i> Ingvar Lindgren , University of Gothenburg, Sweden

Wednesday, April 7

Session III - Lasers in medicine and international perspective

Chairman: **Stefan Andersson-Engels** and **Katarina Svanberg**

Lund University

9:00-9:45

Scattering spectroscopy monitors cellular and tissue changes before they can be seen microscopically

Irving J. Bigio, Boston University, USA

9:45-10:15

Spectroscopy in pharmaceutical research

Jonas Johansson, Astra Zeneca, Mölndal, Sweden

10:15-10:45

Coffee

10:45-11:30

Photomedicine from bench to bedside: 2 examples

Hubert van den Bergh, Ecole Polytechnique Fédérale de Lausanne, Switzerland

11:30-12:15

Development of laser spectroscopy in Africa – contributions of Prof. Sune Svanberg

Ahmadou Wague, Université Cheikh Anta Diop de Dakar, Senegal

12:15-13:45

Lunch

Session IV - High-power laser physics

Chairman: **J. Larsson**, Lund University

13:45-14:00

The Lund High-Power Laser Facility

Anne L'Huillier, Lund University

14:00-14:45

World record acceleration of neutral atoms - the unexpected liaison between Rydberg states and ultra-strong laser fields

Wolfgang Sandner, Max Born Institute for Nonlinear Optics and Short Pulse Spectroscopy, Berlin, Germany

14:45-15:15

Coffee

Session V - History and Outlook

Chairman: **Anders Persson**, Lund University

15:15-15:45

"We have thought VERY carefully about that!" - Sune as chair of the Nobel Committee for Physics

Mats Jonson, University of Gothenburg, Sweden, and Heriot-Watt University, Edinburgh, Scotland, UK

15:45-16:15

Laser spectroscopy - the past and the future

Sune Svanberg, Lund University

16:15

Meeting ends