

Plenary Speakers

The EFTF 2014 organizing committee is pleased to announce that the following speakers have been confirmed as Plenary Speakers for EFTF 2014.

Location:	Main Aula, University of Neuchâtel
Date:	Wednesday, June 25, 2014
Time:	08:30 – 10:40
Chair:	Gaetano Mileti, University of Neuchâtel



[Professor Serge Haroche](#)

ENS and Collège de France, Paris, France

An atomic clock tames light

[Nobel Prize for Physics 2012](#)

A Ramsey interferometer of the kind used in standard atomic clocks can be turned into a versatile tool to count photons non destructively and to manipulate non classical states of light. Applications to quantum metrology and quantum information science will be considered.



[Dr. John Kitching](#)

NIST, Boulder, CO, USA

[Chip-scale atomic devices: from atomic clocks to brain imaging and beyond](#)

In recent years, the combination of precision atomic spectroscopy, micromachining technology and advanced diode lasers have enabled a new generation of atomic clocks and precision atomic sensors characterized by small size and low power dissipation. We discuss work at NIST over the last decade to develop such instruments and to use them in applications ranging from nuclear magnetic resonance to magnetic measurements of the human brain.

Invited Speakers

The following speakers have been confirmed for EFTF 2014.

The list of invited speakers will be complemented by the selection of additional invited speakers by the EFTF Scientific Committee, based on the significance of the research presented in the relevant submitted summary papers.

- **Gianluca Piazza**, Carnegie Mellon University, USA
- **Sunil Ashok Bhawe**, Cornell University, USA
- **José Sánchez-Dehesa**, Universitat Politècnica de València, Spain
- **Victor Plessky**, GVR Trade SA, Switzerland
- **Ursula Keller**, ETHZ, Switzerland
- **Ventsislav Yantchev**, Uppsala University, Sweden
- **Laurent Duraffourg**, CEA LETI, France
- **Jérôme Faist**, ETHZ, Switzerland
- **Olivier Cambon**, Université de Montpellier II, France
- **David Howe**, NIST, USA
- **Randolf Pohl**, Max Planck Institut für Quantenoptik, Germany
- **Stéphane Guérandel**, SYRTE, France
- **Vladan Vuletic**, Massachusetts Institute of Technology, USA
- **Nathan Leefer**, Berkeley University of California, USA
- **Harald Schnatz**, PTB, Germany
- **Vincent Drouet**, CEA-DAM, Arpajon, France
- **Éric Meyer**, UTINAM, Observatory THETA, CNRS/University of Franche-Comté, Besançon, France

Opening Session

Location: Main Aula, University of Neuchâtel

Date: Tuesday, June 24, 2014

Time: 08:30 – 09:00

Chair: Steve Lecomte, CSEM

Speakers

Peter Kropf, Dean of the Faculty of Sciences of the University of Neuchâtel

Steve Lecomte, Chairman of the Local Organising Committee

Ekkehard Peik, Chairman of the Executive Committee