

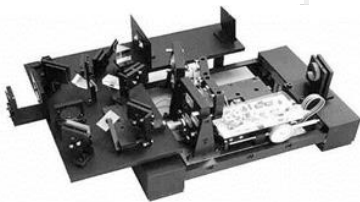
## International Thematic Workshop

# ADVANCES IN BRILLOUIN LIGHT SCATTERING

**12-14 Sept. 2018 – Perugia, Italy**

### Special Session

The central day of the Workshop will be devoted to the celebration of the 40<sup>th</sup> Anniversary of the Tandem Fabry-Pérot Interferometer, including a Special Award that will be delivered to John R. Sandercock for his invention



### 2<sup>nd</sup> Bio-Brillouin Meeting

The Workshop will be partly joint with the 2<sup>nd</sup> Bio-Brillouin Meeting, organized in the framework of a dedicated **Cost Action:**

<https://www.biobrillouin.eu/>



### Venue

The Workshop will be held at **Hotel Giò "Jazz and Wine"**, <http://hotelgio.it/>, located at walking distance from the wonderful historical center of Perugia and from the University.

### Motivation

In 2018 it occurs the 40<sup>th</sup> anniversary of the publication of the first **Brillouin Light Scattering (BLS)** results obtained by John R. Sandercock using the high-contrast **Tandem Fabry-Pérot (TFP) interferometer**. He applied for the patent in 1977 and he got it in 1980.

In 2018 we also celebrate **30 years of BLS activity at GHOST laboratory at Perugia University, Italy.**

### Topics

The focus of this Workshop will be on the technical capabilities and developments of BLS (including recent advances in micro-focused scanning operation mode), but different topics will be addressed, including: **Spin waves in films and multilayers; Spintronic and magnonic devices; Spin-orbitronic effects and topological materials; Elastic properties of single crystals, films and multilayers; Phononic structures and acoustic resonators; Viscoelastic properties of materials; Biological and biomedical samples.**

### Important dates

- December 2017: New WEBSITE for the Workshop
- April 1<sup>st</sup> 2018: Abstract submission opens
- June 15<sup>th</sup> 2018: Deadline for abstract submission
- June 30<sup>th</sup> 2018: Notification of abstract acceptance
- July 1<sup>st</sup> 2018: Early registration and Hotel reservation open
- July 15<sup>th</sup> 2018: Preliminary program
- July 31<sup>st</sup> 2018: Deadline for early registration and Hotel reservation

### Organization & Contacts

The Workshop is organized by the Group of High-resolution Optical Spectroscopy and related Techniques (GHOST), a mixed unit that involves personnel from the Department of Physics and Geology of the University of Perugia and from the Istituto Officina dei Materiali (IOM) of the National Research Council. <http://ghost.fisica.unipg.it/>

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