



7th International Workshop on

# PHOTOLUMINESCENCE IN RARE EARTHS: PHOTONIC MATERIALS AND DEVICES

November 30 – December 2, 2017

Roma, Italy



(Roma, Fori Imperiali. Lighting by Vittorio Storaro. Photo credit: Repubblica.it)

"PRE'17" is the seventh event in the series of International Workshops covering a wide range of research topics concerning the properties and applications of rare-earth ions in optoelectronics and photonics. The series began in Trento, Italy in May 2005 (PRE'05), followed by PRE'07 again in Trento, PRE'10 in Firenze (Italy), PRE'12 in Kyoto (Japan), PRE'14 in San Sebastián (Spain), PRE'16 in Greenville (USA). The next event, after the decision to move the Workshop to the odd years, will be held in Rome, Italy, in 2017.

PRE Workshops aim at providing a forum for material scientists, chemists and physicists where to debate about the state of the art and the perspectives of the photonic materials based on rare earth ions. Both fundamental photoluminescence properties and application oriented material investigations are considered.

Topics of interest include (but are not limited to):

- **Fundamental photoluminescence properties & spectroscopic measurements**
- **Modeling, first-principles calculations**
- **Photonic devices exploiting rare-earths characteristics**
- **Rare-earth-doped crystalline materials**
- **Transparent ceramics and glass-ceramic materials**
- **Rare-earth optical amplifiers for telecommunication**
- **Fiber lasers and micro-chip lasers**
- **Phosphor materials for solid-state lighting**
- **Persistent phosphors**
- **Scintillators**
- **Up- and down-conversion for photovoltaic applications**
- **Rare-earth-doped materials for biological applications**

### *Important Dates*

<b>Abstract submission deadline</b>	<b>15 September 2017</b>
Paper acceptance notification	15 October 2017
Early bird registration	30 October 2017
Post-deadline submission deadline	1 November 2017
Workshop opening	30 November 2017

**Submit your  
abstract !!**

For information please contact [secretary@centrofermi.it](mailto:secretary@centrofermi.it)

<http://www.pre17.org/>