



# Physical Research Laboratory, Ahmedabad

## Public Lecture

- Speaker:** Prof. Jens Biegert  
The Institute of Photonic Sciences, Barcelona, Spain.
- Title:** "Teaching electrons to take a selfie"
- Time:** Friday, 01 September 2017, 18.00 hrs.
- Venue:** K. R. Ramanathan Auditorium, PRL

### Abstract

Electrons are fast and elusive, yet their arrangement in time determines how chemistry proceeds and materials function. Insight into their dynamics holds the key to design new substances or to tailor materials with specific functionality. I will explain how we can use extreme light to manipulate electrons into taking snapshots during a reaction or excitation.

### The Speaker

Prof. Jens Biegert received his PhD from the Technical University Munich, Germany, in 2001, and led the research group on ultrafast pulse generation and strong field physics at ETH Zurich during 2001-2006. In 2007 he was appointed ICREA Professor and heads the Attoscience and Ultrafast Optics group at the Institute of Photonic Sciences (ICFO). He has over 130 journal publications, 6 book chapters (3 chapters in encyclopedias), given over 150 invited talks and edited one book. He has served on several programs and advisory panels and management boards. He serves as an editorial board member of the International Journal on Atomic Molecular, Condensate & Nano Physics, the Journal Optics, and is associate editor of AIP Photonics. He is a fellow of the German National Academic Foundation, was recipient of the Marie Curie Fellowship in 2001, the OSA Allen Price in 2004, was named Research Assistant Professor in the USA in 2001, Fellow of the Optical Society and holds a joint appointment as Research Professor at the University of New Mexico.

**High Tea at 17:30 hrs.**

**ALL ARE WELCOME**

