

# Computational Challenges emerging from Next Generation Light Sources

October 13-15, 2009

Cecam-LighTnet workshop at DESY Hamburg

## Programme

### Day 1 - October 13<sup>th</sup>, 2009

8:15 - 9:00 Registration

#### *Session 1: Experiments with X-ray sources: spectroscopy, diffraction and imaging*

09:00 - 09:15 Welcome

09:15 - 10:00 **Michael Meyer**, Paris, France

10:00 - 10:45 **Richard Neutze**, Gothenburg, Sweden

10:45 - 11:15 Coffee break

11:15 - 12:00 **Claudio Masciovecchio**, Trieste, Italy

12:00 - 12:45 **Lutz Lammich**, Aarhus, Denmark

12:45 - 14:15 Lunch

#### *Session 2: Perturbative and non-perturbative treatments of ionization*

14:15 - 15:00 **Peter Lambropoulos**, Crete, Greece

15:00 - 15:45 **Hardy Gross**, Berlin, Germany

15:45 - 16:15 Coffee break

16:15 - 18:45 Discussion session + Posters

18:45 - 20:00 Free evening

### Day 2 - October 14<sup>th</sup>, 2009

#### *Session 3: Ultrafast dynamics in solids: Experiments & Theory*

09:00 - 09:45 **Justin Wark**, Oxford, UK

09:45 - 10:30 **Andrea Cavalleri**, Oxford, UK

10:30 - 11:00 Coffee break

11:00 - 11:45 **Kazuhiro Yabana**, Tsukuba, Japan

11:45 - 12:30 **Eeuwe Zijlstra**, Kassel, Germany

12:30 - 14:00 Lunch

14:00 - 15:30 DESY guided tour

*Session 4: Perturbative and non-perturbative treatments of ionization: Focus TDDFT*

|               |                                              |
|---------------|----------------------------------------------|
| 14:15 - 15:00 | <b>Xavier Andrade</b> , San Sebastian, Spain |
| 15:00 - 15:45 | <b>Carsten Ullrich</b> , Columbia, US        |
| 15:45 - 16:15 | Coffee break                                 |
| 16:15 - 17:00 | <b>Stephan Kümmel</b> , Bayreuth, Germany    |
| 17:00 - 20:00 | Poster Session                               |
| 20:00 -       | Conference Dinner (DESY Bistro)              |

**Day 3 - October 15th, 2009**

*Session 5: Quasi-classical approaches*

|               |                                              |
|---------------|----------------------------------------------|
| 09:00 - 09:45 | <b>Thomas Fennel</b> , Rostock, Germany      |
| 09:45 - 10:30 | <b>Christian Gnodtke</b> , Dresden, Germany  |
| 10:30 - 11:00 | Coffee break                                 |
| 11:00 - 11:45 | <b>Beata Ziaja-Motyka</b> , Hamburg, Germany |
| 11:45 - 12:30 | <b>Gyula Faigel</b> , Budapest, Hungary      |
| 12:30 - 12:45 | Closing remarks                              |
| 12:45 - 14:00 | Lunch and departure                          |