

**Session Program**

**19-23 Jun 2017**

**5th EIROforum School on Instrumentation**

***Session lectures***

European XFEL

## Tuesday 20 June

09:00

### Session lectures: Fusion

**Session** | **Location:** University of Hamburg, Building 61, Lecture Hall

09:00–09:45

#### Measurement techniques and technologies for high temperature laboratory plasmas

**Speaker**

Joao Figueiredo

09:45–10:30

#### Surface Analysis Techniques for the Study of Plasma Wall Interactions

**Speaker**

Nicolas Bekris

10:30

11:00

### Session lectures: High Energy Physics

**Session** | **Location:** University of Hamburg, Building 61, Lecture Hall

11:00–11:45

#### Interactions of particles and fields

**Speaker**

Werner Riegler

11:45–12:30

#### Instrumentation in HEP

**Speaker**

Werner Riegler

12:30

13:30

### Session lectures: Space

**Session** | **Location:** DESY, Auditorium Hörsaal

13:30–14:15

#### Detector development and technology validation for space missions

**Speaker**

Thibaut Prod'homme

14:15–15:00

#### The five senses of spaceborne instrumentation: examples of instruments built for space astronomy and solar system exploration

**Speaker**

Thibaut Prod'homme

15:00

15:30

### Session lectures: Synchrotron Radiation

**Session** | **Location:** DESY, Auditorium Hörsaal

15:30–16:15

#### X-ray Optics for Synchrotron Radiation

**Speaker**

Ray Barrett

16:15–17:00

#### X-ray Detectors for Synchrotron Radiation Applications

17:00

**Speaker**  
Pablo Fajardo

## Wednesday 21 June

09:00

### Session lectures: Neutron Physics

**Session** | **Location:** Other Institutes, Auditorium Hörsaal DESY (Building 5)

09:00–09:45 **The High Flux Reactor**

**Speaker**

Yoann Calzavara

**Location**

Auditorium Hörsaal DESY

09:45–10:30

### Nuclear Physics Instrumentation @ ILL: Nuclear Spectroscopy after Slow Neutron-Induced Reactions

**Speaker**

Caterina Michelagnoli

**Location**

Auditorium Hörsaal DESY

10:30

11:00

### Session lectures: Astronomy

**Session** | **Location:** Auditorium Hörsaal DESY

11:00–11:45 **Instrumentation for groundbased optical/IR astronomy**

**Speaker**

Suzanne Ramsay

11:45–12:30 **Advanced Technology for Modern Radio Telescopes**

**Speaker**

Gie Han Tan

12:30

# Thursday 22 June

09:00

## Session lectures: Molecular Biology

Session | Location: DESY, Auditorium Hörsaal

09:00–09:45 **Synchrotron Radiation for Macromolecular Crystallography**

**Speaker**

Thomas Schneider

09:45–10:30 **Synchrotron radiation as applied in Structural Biology**

**Speaker**

Andrew McCarthy

10:30

11:00

## Session lectures: Free Electron Laser

Session | Location: DESY, Auditorium Hörsaal

11:00–11:45

**Seeing elusive protein structures at high resolution: Instrumentation for XFEL crystallography and imaging**

**Speaker**

Grant Mills

11:45–12:30 **Using x-ray free electron lasers to study high-energy density plasmas**

**Speaker**

Ulf Zastra

12:30