

## [IT-15. X-ray, neutron and other microscopies](#)

10 September, 16:45 - 18:45 / 11 September, 16:30 - 18:30

### **IT-15-P-1449**

#### **Single flash imaging of live hydrated biological cells by a contact soft x-ray microscope coupled with an intense laser-plasma soft x-ray source**

Presenting author: **Kado M.**

*Authors: Kado M., Kishimoto M., Tamotsu S., Yasuda K., Aoyama M., Shinohara K.*

### **IT-15-P-1509**

#### **At-wavelength observation of phase defect embedded in extreme ultraviolet lithography mask**

Presenting author: **Amano T.**

*Authors: Amano T., Terasawa T., Watanabe H., Toyoda M., Harada T., Watanabe T., Kinoshita H.*

### **IT-15-P-1561**

#### **Online Tools for Microscopy and Microanalysis Facilities.**

Presenting author: **Apperley M. H.**

*Authors: Apperley M. H., Whiting J., Cribb B., Frost C., Ceguerra A., Liddicoat P.*

### **IT-15-P-1564**

#### **MyScope: On-Line Microscopy and Microanalysis Training and Education in Core Facilities**

Presenting author: **Apperley M. H.**

*Authors: Apperley M. H., Munroe P. R., White T., Shapter J., Muhling J., Soon L., Ringer S. P., Grinan E., Frost C., Cribb B.*

### **IT-15-P-2171**

#### **Spectroscopic imaging with a new pnCCD camera: improved dynamic range, position resolution, anti-blooming and compactness**

Presenting author: **Ihle S.**

*Authors: Ihle S., Eckhardt R., Hartmann R., Holl P., Huth M., Kalok D., Ryll H., Schmidt J., Simson M., Soltau H., Soltau J., Steigenhöfer D., Thamm C., Strüder L.*

### **IT-15-P-2231**

#### **Multilayer Laue Lenses as High Resolution hard X-ray Optics**

Presenting author: **Kubec A.**

*Authors: Kubec A., Niese S., Melzer K., Braun S., Patommel J., Leson A., Zschech E.*

### **IT-15-P-2249**

#### **Multilayer Laue Lenses as High Resolution High Efficiency X-ray Focusing Optics**

Presenting author: **Kubec A.**

*Authors: Kubec A., Niese S., Melzer K., Braun S., Patommel J., Leson A.*

### **IT-15-P-2471**

#### **THERMODYNAMICS OF ZIRCON AND SOLID SOLUTION REACTIONS**

Presenting author: **Kılıç A. D.**

*Authors: Kılıç A. D., Ateş C.*

**IT-15-P-2661**

**Evaluating the detection of cracks in underwater wet welds by x-ray microtomography**

Presenting author: **Paciornik S.**

*Authors: Paciornik S., Silva L. F., Santos V. R., Bernthaler T.*

**IT-15-P-5855**

**Nanoscale characterization of hierarchical biological materials using synchrotron quantitative scanning-SAXS imaging**

Presenting author: **Gourrier A.**

*Authors: Gourrier A., Burghammer M., Reiche I., Boivin G.*

**IT-15-P-5878**

**A Hard X-ray Nanoprobe at Diamond Light Source**

Presenting author: **Cacho-Nerin F.**

*Authors: Cacho-Nerin F., Parker J. E., Peach A., Wilkin G., Quinn P.*

**IT-15-P-6022**

**Microscopy in the extreme ultraviolet and soft X-ray spectral region and its applications**

Presenting author: **Herbert S.**

*Authors: Herbert S., Danylyuk S., Loosen P., Maryasov A., Wilson D., Bußmann J., Rudolf D., Juschkin L., Küpper L., von Wezyk A., Bergmann K., Lebert R.*