

**Session Program**

**17-22 Jun 2018**



**15th European Vacuum Conference (EVC-15)**  
***Electronic Materials & Processing***

## Friday 22 June

09:30

### Electronic Materials & Processing

Session | Location: CIG, Room 3 | Convener: Agnė Žukauskaitė

09:30–10:10 **ScAlN: A novel piezoelectric material**

**Speaker**

Oliver Ambacher

10:10–10:30

**Thermal expansion coefficient and elastic modulus of reactive pulsed-DC magnetron co sputtered piezoelectric AlScN thin films**

**Speaker**

Yuan Lu

10:30

10:50

### Electronic Materials & Processing

Session | Location: CIG, Room 3 | Convener: Agnė Žukauskaitė

10:50–11:10 **Hetero-epitaxial AlN grown for GaN-power devices**

**Speaker**

Dr Dominik Jaeger

11:10–11:30

**Transferable nanoporous Ca<sub>3</sub>Co<sub>4</sub>O<sub>9</sub> thin films for wearable thermoelectric applications**

**Speaker**

Dr Biplab Paul

11:30–11:50

**Effect of Carrier Doping of InAs Quantum Dots on the Performance of QD Intermediate-Band Solar Cells**

**Speaker**

Prof. Yoshitaka Okada

11:50–12:11

**Effect on the electrical and morphological properties of Bi incorporation into ZnO:Ga and ZnO:Al thermoelectric thin films**

**Speaker**

Mr Paulo Babo Salvador

12:30