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*The best poster presentations*

- **Symposium A** Raman scattering in materials science

**Mirjana Grujić-Brojčin**

**A02** *"Use of Phonon Confinement Model in Simulation of Raman Spectra of Nanostructured Materials"*

- **Symposium B** Transparent and Flexible Electronics: from Materials to Devices

**Yoichi Ogo**

**B02** *"Tin monoxide as a 5s based p-type oxide semiconductor: Epitaxial film growth and thin film transistor"*

**Sellaperumal Manivannan**

**B04** *"Fabrication of Single Walled Carbon Nanotubes Flexible Transparent Conducting Films"*

**Sergey V. Balakhonov**

**B20** *"Hydrothermal synthesis of vanadia-based whiskers for application as flexible cathode material"*

- **Symposium C** Smart Materials for Smart Devices and Structures

**Antonela Dima**

**C10** *"Nano-Silicon Sol-Gel Film Refraction Index Modulation with Femtosecond Laser"*

- **Symposium D** Novel synthesis processes and design of nanomaterials for catalytic applications

**Niels Meis**

**D26** *"Supported hydrotalcites for enhanced and stable CO<sub>2</sub> capture"*

- **Symposium E** Plasmonic nanostructures for application in the life sciences

**Kateřina Štyndlová**

**E10** *"Bactericidal effect of metal nanoparticles and their characterization"*

- **Symposium F** Nanocomposite materials

### **Hanna Bandarenka**

**F43** *"Cu-Si nanocomposites based on porous silicon matrix"*

- **Symposium G** Morphology and dynamics of nanostructures and disordered materials via atomic-scale modelling

### **Ali Jaafar**

**G11** *"Formation of stacking defects at surfaces: From atomistic modelling to DFT calculations."*

- **Symposium H & L** Crossing frontiers in designing of bio-inspired materials – a novel breakthrough in material science  
New scaffolds for tissue engineering: materials and processing methods

### **Marcin K. Heljak**

**L15** *"Optimization of the polymeric scaffolds for bone tissue engineering fabricated by rapid prototyping method"*

- **Symposium I** Functional and Structural Ceramic and Ceramic Matrix Composites (CCMC)

### **Paulina Bednarek**

**I01** *"Gelcasting in moulding of ceramic powders with application of new monomers"*

- **Symposium J** New Opportunities and Challenges in Material Research using Phonon and Vibrational Spectra

### **Dominik Kurzydłowski**

**J11** *"Phonon Dispersion Analysis as an Indispensable Tool for Correct Predictions of Solid State Polymorphism"*

- **Symposium K** Mechanics of nanomaterials

### **Romuald Dobosz**

**K01** *"Modelling of plastic deformation of nano-polycrystalline materials"*

- Current trends in nanostructured polymer and sol-gel thin films (**workshop**)

### **Claire Saulou**

*"Silver nanoclusters-containing organosilicon thin films for microbial adhesion"*