

**S04-P52** - Dislocation multiplication during Czochralski growth of germanium: Numerical studies and experimental results.

*Miller, Wolfram*

**S04-P54** - New technological approaches for electroless deposition of metal contacts on CdZnTe single crystals.

*Bettelli, Manuele*

**S04-P55** - Impurity distribution in characteristic of multicrystalline silicon growth mode.

*Nepomnyashchikh, Aleksandr Iosifovich*

**S04-P56** - Growth of  $\text{TbFe}_{0.5}\text{Mn}_{0.5}\text{O}_3$  and  $\text{Tb}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$  Single Crystals Using Optical Float-Zone Technique.

*Hariharan, Nhalil*

**S04-P57** -  $\text{SrMoO}_4\text{:Ho}^{3+}\text{:Tm}^{3+}$  crystal as new active material for mid - IR laser.

*Dunaeva, Elizaveta*

**S04-P59** - Structural properties and spinodal decomposition of bulk ternary semiconductor compounds with oxygen in the anion sublattice.

*Podolska, Natalia*

**S04-P60** -  $\text{Li}_2\text{MoO}_4$  crystal growth from solution activated by low-frequency vibrations.

*Sadovskiy, Andrey P*

**S04-P63** - Numerical modeling of a kyropoulos process to grow square silicon ingots for photovoltaic applications using different configurations and different working parameters.

*Nouri, Ahmed*

**S04-P64** - Effectivity of chemical vapor transport for ZnO single crystal growth based on HCl vapors.

*Colibaba, Gleb V*

**S04-P66** - Temperature dependent optical absorption of strontium titanate.

*Kok, Dirk Johannes*

#### 5 - Advance in Crystal Growth Technology

**S05-P02** - pH specific single crystal growth of  $\text{N-H}^{\delta+} \text{Cl}^{\delta-}$  influenced  $[\text{ZnCl}_4]^{2-}$   $[\text{R}]^+$  hybrid materials of 3D to 2D lattice dimensionality by organic variant: Microscopy, optical Eg and PL properties.

*Jasrotia, Dinesh*

**S05-P04** - Heptadecane and Gallium Crystallization in Hydrodynamic Czochralski Model.

*Prostomolotov, Anatoly Ivanovich*

**S05-P06** - Growth of large size YAG:Ce crystals with homogenous distribution of  $\text{Ce}^{3+}$  ions by HDC method for WLED application.

*Nizhankovskiy, Sergii Victorovich*

**S05-P07** - The approach for reconstruction of GaSb:Te space crystal growing.

*Prostomolotov, Anatoly Ivanovich*

**S05-P08** - Influence of melt transparency on critical growth rate of sapphire.

*Baranov, Viacheslav*

**S05-P09** - Growth of high optical quality ZnS single crystals by solid phase recrystallization technique at barothermal treatment.

*Avetisov, Roman*

**S05-P10** - Sapphire Shaped Crystals for Medicine.

*Shikunova, Irina*

**S05-P11** - Salt stains from evaporating droplets.

*Shahidzadeh, Noushine*

**S05-P12** - Crystal growth under high electric field: Analysis of the nucleation process.

*Hicher, Patrick*

#### 6 - Mesocrystals and Nonclassical Crystallisation / Growth of Biological Materials and Biologically-Controlled Growth

**S06-P01** - An Approach for Controlling Epitaxial Growth of Protein Crystal by Using Microfluidic Device.

*Maeki, Masatoshi*

**S06-P02** - Biogenic and non-biogenic struvite.

*Prywer, Jolanta*

**S06-P03** - Influence of tetrasodium pyrophosphate on struvite and carbonate apatite formation.

*Olszynski, Marcin*

**S06-P04** - Investigation of bacterial factors responsible for aggregation process of carbonate apatite.

*Sadowski, Rafal Robert*

**S06-P06** - Prenucleation clusters - quaternions - and crystal growth.

*Askhabov, Askhab Magomedovich*

#### 7 - In-situ Monitoring / Control of Crystal Growth Processes / Crystal morphology

**S07-P03** - Development of in-situ observation system for high-temperature liquid/solid interfaces: application to solid-source solution growth of AlN.

*Kangawa, Yoshihiro*

**S07-P06** - Peculiarities of sapphire nitridation under the influence of the high-energy electron beam.

*Milakhin, Denis Sergeevich*

**S07-P07** - Using modifiers to mitigate salt crystallization damage in porous building materials: an optical microscopy study of borax and sodium sulphate.

*Granneman, Sanne*

**S07-P08** - Optimization of Cooling Crystallization of High Aspect Ratio Crystals in Batch and Continuous Operations for Size and Shape Control.

*Acevedo, David*

**S07-P10** - Nanoconfined Crystal Growth investigated by Reflection Interference Contrast Microscopy.

*Kohler, Felix*