



Contribution ID: 83

Type: Poster

## Fine-tuning solid state luminescence properties of molecular crystals via solid solution formation

*Tuesday, 15 March 2022 16:27 (1 minute)*

Solid solutions (SS) are single multicomponent solid phases for which the constituent component ratio can vary in continuum. Along with the composition, also properties of solid solutions are modulated. The changes in composition are often accompanied by a continuous change in some physical and/or chemical properties (e.g., density, solubility, melting point), and more complex properties such as solid-state luminescence and phosphorescence properties, that are composition-dependent.

**Primary author:** Mr SARŠŪNS, Kristaps (University of Latvia, Faculty of Chemistry)

**Co-authors:** Mr LEDUSKRASTS, Kaspars (Latvian Institute of Organic Synthesis); Dr REKIS, Toms (University of Latvia, Faculty of Chemistry); Dr BĒRZIŅŠ, Agris (University of Latvia, Faculty of Chemistry)

**Presenter:** Mr SARŠŪNS, Kristaps (University of Latvia, Faculty of Chemistry)

**Session Classification:** Postersession

**Track Classification:** Main conference: Engineering Materials and Applications