

Programme

Tuesday 24.9.

09:00 *Registration*

09:50 *Coffee break*

Chairman: T. Wágner

10:20 T. Aoki

Photoluminescence Spectroscopy of Solid State Materials

11:10 J. Oswald

Engineering of the QD structure alignment

12:00 *Lunch*

Chairman: M. Frumar

13:30 J. Málek, J. Barták, P. Košťál, R. Svoboda

Crystal growth kinetics, structural relaxation and viscosity behavior in selenium supercooled liquid

13:50 P. Košťál, J. Málek

Extrapolation of viscosity data

14:10 V. Podzemná, J. Barták, J. Málek

Crystal growth kinetics in Ge_xS_{1-x} glasses

14:30 P. Honcová, R. Svoboda, P. Pilný, J. Shánělová, P. Košťál, J. Barták, J. Málek

Interpretation of DSC data obtained for Sb-Se composition

14:50 J. Shánělová

Crystal growth in undercooled chalcogenide melts

15:10 L. Střížík, J. Oswald, J. Zhang, T. Kohoutek, T. Wágner, J. Hrabovský, M. Frumar, J. Heo

Rare-earth-doped Ga-Ge-Sb-S amorphous phosphors in photonics

15:30 *Coffee break*

Chairman: K. Shimakawa

16:00 J.M. Macák

Nanostructured anodic templates for advanced materials

16:20 T. Kohoutek

Surface patterned chalcogenide glasses

16:40 L. Hromádko, J. Pírkryl, L. Střížík, P. Košťál, M. Frumar

Effect on properties of indium doped $Sb_{70}Te_{30}$ thin film

17:00 J. Kolář, J. M. Macák, K. Terabe, T. Wágner

Down-scaling switching experiments to nanosize: Porous alumina - natural and powerful tool

17:20 M. Krbal, X. Wang, J. Richter, A.V. Kolobov, P. Fons, J. Tominaga, K. Nitta, T. Uruga

Investigation of the oxidation process in GeTe -based phase change alloys using XANES spectroscopy

17:40 I. Voleská, J. Akola, R.O. Jones, S.N. Yannopoulos, J. Gutwirth, T. Wágner

Amorphous $Ga_{11}Ge_{11}Te_{78}$ System: Interactions with Photons with Energy from Infrared Part of Electromagnetic Spectrum

18:00 *Poster section- Chairman: V. Podzemná*

19:00 *Banquet*

Wednesday 25.9.

Chairman: J.M. Macák

09:00 K. Shimakawa
Electrical Properties of Nanocrystalline Media: Optical Conductivity and Non-Drude Behavior

09:50 *Coffee break*

10:20 M. Liška
Glass Structure and Thermodynamic Models

11:10 F. Kadlec
Terahertz spectroscopy of amorphous and granular semiconductors

12:00 *Lunch*

Chairman: T. Kohoutek

13:30 V. Parchanski, B. Frumarová, M. Pavlišta, P. Knotek, L. Střížík, M. Vlček, J. Oswald, M. Frumar
Influence of preparation conditions of PLD on the properties of thin films doped by Er^{3+} ions

13:50 N. Gorodylova, Ž. Dohnalová, P. Bělina, P. Šulcová
The inhibitive performance of pyrophosphate-based anticorrosion pigments

14:10 S. Cousy, L. Svoboda, J. Zelenka
Preparation of two-dimensional nano-particles of zinc hydroxide chloride

14:30 P. Heinrichová, M. Vala, M. Weiter
The study of π -conjugated polymers for photovoltaic application by fluorescence quenching experiments

14:50 M. Zvonková, J. Luxová, J. Trojan, M. Trojan
Influence of Ce on the colour properties of Cr doped malayaite pigments

15:10 P. Veteška, D. Galusek
Influence of parameters upon hydrothermal synthesis of carbon nano-sized particles

15:30 Š. Stehlik, T. Petit, H.A. Girard, J.-Ch. Arnault, A. Kromka, B. Rezek
Charging of detonation diamond nanoparticles investigated by Kelvin force microscopy

16:00 *Mini coffee break* *Informal discussion*
