

Programme

Tuesday 16.9.

8:30 Registration

9:30 Coffee break

Chairman: T. Wágner

9:50 S. Kasap, G. Okada

Progress in Samarium-Doped Glasses and Glass-Ceramics for use in High-Dose, High-Resolution Dosimetry in Microbeam Radiation Therapy

10:40 M. Liška, M. Chromčíková, J. Macháček, B. Hruška, V. Zemanová, T. Gavenda

Thermodynamic model of ZnO-MoO₃-P₂O₅ glasses and its validation by MCR analysis of Raman spectra of ZnO-P₂O₅ glasses

11:30 M. Vlček, L. Loghina, I. Voynarovych, K. Pálka

Micro and Nano Corrugation of Chalcogenide Thin Films

12:00 Lunch

Chairman: T. Kohoutek

13:30 M. Krbal, A. V. Kolobov, P. Fons, J. Haines, J. Kolar, J. Barták, L. Bezacier, M. Hanfland, J. Tominaga

Difference in crystallization of as-deposited and pressure re-amorphized Ge₂Sb₂Te₅ under hydrostatic pressure

13:50 L. Střížík, J. Oswald, T. Wágner

Ga-Ge-Sb-S: Er³⁺(/Nd³⁺) amorphous chalcogenides

14:10 J. M. Macák

Towards functional advanced materials using ordered anodic oxides supports and templates

14:30 M.S. Konale, C.H. Lin, D. S. Patil, V. Zima, T. Wágner, K. Shimakawa

Impedance spectroscopy based conductivity study of two aluminum metal-organic framework compound

14:50 D. Pathak, T. Wágner, J. M. Nunzi

Efforts towards Inorganic-Organic blended bulk heterojunction hybrid solar cell based on AgInSe₂

15:10 D. Patil, M. S. Konale, K. Shimakawa, V. Zima, T. Wágner

Effect of Ga₂S₃ doping on the conductivity behavior of Lil-GeS₂ chalcogenide glassy system by random-walk approach

15:30 R. Svoboda, J. Gutwirth, J. Málek, T. Wágner

Crystallization kinetics in Se-Te thin films

15:50 Coffee break

Chairman: R. Svoboda

16:10 J. Barták, V. Podzemná, J. Málek

Crystal growth in chalcogenide materials

16:30 S.K. Pillai, J. Málek

Study of nucleation in Se₉₀Te₁₀ by micrography and differential scanning calorimetry

16:50 P. Honcová, R. Pilař, C. Schick, J. Málek

Relaxation of selenium observed by fast scanning calorimetry

17:10 V. Podzemná, J. Barták, J. Málek

Crystal growth kinetics in chalcogenide Ge-S glasses

17:30 J. Shánělová, G. Svobodová

Effect of grain size on crystallization of As₂Se₃

17:50 Z. Olmrová Zmrhalová, P. Pilný, J. Málek

Viscous flow behavior and thermal properties of As₂Se

18:15 Poster section – **Chairman: V. Podzemná**

19:15 Banquet

Wednesday 17.9.

Chairman: J.M. Macák

8:30 K. Shimakawa
Effects of grain boundaries on electronic transport in crystalline states of GeSbTe materials: NIR - THz - DC spectroscopies

9:20 M. Frumar, J. Přikryl, L. Hromádko, T. Wágner
Non-stoichiometry, Structure and Properties of Phase Change Materials

9:50 *Coffee break*

Chairman: M. Krbal

10:10 R. Bulánek
Structure of adsorption sites in alkali-metal exchanged zeolites

11:00 A. Martinez de Yuso, R. Bulánek, R. Svoboda
Assessment of zeolites acid properties – unsolved challenging task

11:30 N. Peřinka, M. Držková, M. Hajná, D.V. Randjelović, P. Bondavalli, T. Syrový, Y. Bonnassieaux, M. Kaplanová, J. Stejskal
Polyaniline composites: From synthesis towards large area printed electronic devices

12:00 *Lunch*

Chairman: D. Pathak

13:30 M. Setnička, R. Bulánek, L. Balatka, A. Kalužová and P. Čičmanec
Benefits and limitations of multiwavelength Raman and DR UV–vis spectroscopy in characterization of VO_x/SiO_2 complexes speciation

13:50 S. Valková, T. Wágner, H. Přikryl, J. Kolář, M. Krbal, M. Vlček, L. Beneš
PMC cells with Ge-S and Ge-Ga-S electrolytes

14:10 V. Parchanski, B. Frumarová, J. Oswald, L. Střížík, M. Pavlišta, P. Netíková, M. Frumar
So Long, and Thanks for All the Fish – Brief Recap of VP's work on ReAdMat Project

14:30 L. Hromádko, J. Přikryl, J. Orava, P. Košťál, M. Frumar
Physico-chemical properties of Sb-rich Sb-Se system thin films for phase change memories

14:50 B. Zhang, J. Kolář, J.M. Macák, T. Wágner
Stages in resistive switching of memory cells based on chalcogenides and nanoporous AAO

15:10 T. Kohoutek
Solution processing of As-S chalcogenide glasses

15:30 T. Wágner
What project ReAdMat brought us in research of amorphous and crystalline chalcogenides glasses.

15:50 *Mini coffee break*

16:10 *Informal discussion*