

Tuesday, October 10

Heads of session:

Chair: Dr., Prof. Egon PAVLICA, Nova Gorica, Slovenia

Chair: Dr. Liliia TUROVSKS, Ivano-Frankivsk, Ukraine

Session 3.

Physical-chemical properties of thin films

16-00

Conduction Mechanisms in Amorphous SiCN Films

Speaker: **Dr. Andriy TKACHUK**

V. Vynnychenko Central Ukrainian State University, Kropyvnytskyi, Ukraine

Tkachuk A., Tetyorkin V.V., Porada O.K.

V. Lashkaryov Institute of Semiconductor Physics, NAS Ukraine, Kyiv, Ukraine; V. Vynnychenko Central Ukrainian State University, Kropyvnytskyi, Ukraine; Institute for Problems of Materials Sciences NAS of Ukraine, Kyiv, Ukraine

16-15

Effect of B₂O₃ addition to Magnesium, Zirconium, Hafnium fluorides on the parameters of thin films formed from them

Ph.D. student **Anton BABENKO,**

Bogatsky Physico-Chemical Institute NAS of Ukraine, Odesa, Ukraine

Zinchenko V.F., Mozkova O.V., Magunov I.R., Volchak G.V., Ieriomin O.G., Babenko A.V.

(Bogatsky Physico-Chemical Institute NAS of Ukraine, Odesa, Ukraine; State Enterprise for Special Instrument Making «Arsenal», Kyiv, Ukraine)

16-30

Synthesis and study of properties of emulsion polishes based on beeswax and carnauba wax

Prof. **Sergiy KURTA**

Vasyl Stefanyk Precarpathian National University, Ivano-Frankivsk, Ukraine

Kurta S.A., Aliyeva A.E.

(Vasyl Stefanyk Precarpathian National University, Ivano-Frankivsk, Ukraine)

16⁴⁵ – 17⁰⁰

Coffee break

17-00

Invite report

Photovoltaics and Photonics in Two Dimensions

Dr. Matthew ESCARRA,

Physics and Engineering Physics Director, Micro/Nano Fabrication Facility;
Tulane University,
New Orleans, LA, U.S.

17-45

Invite report

Charge-Carrier Transport in Thin Film Solar Cells: New Formulation

Prof. Yuriy GUREVICH

Departamento de Fisica Aplicada, Universidad de Salamanca; Instituto Mexicano del
Petróleo; Departamento de Fisica, CINVESTAV del I.P.N.,
Salamanca, Spain; Mexico, Mexico