

MEMORIAL SESSION

«WE REMEMBER MARIN»

November 9, 2011

9:00 – 9:30 Registration

9:30 - 9:40 Opening – Academician Alexander G. Petrov

9:40 - 9:50 Biography of Dr Marin D. Mitov

9:50 - 10:30 Memories for Marin – the scientist and the friend

10:30 – 11:00 Coffee break (Hall 200)

11:00 – 13:00 Presentations – first part

Chair: Prof. Isak Bivas

11:00 – 11:20 A. Iglic (University of Ljubljana, Slovenia)

PHYSICAL PROPERTIES OF WATER NEAR A CHARGED
METAL SURFACE DUE TO SATURATION AND EXCLUDED
VOLUME EFFECTS

11:20 – 11:40 A. G. Petrov (ISSP – BAS)

BEND FLEXOELECTRICITY OF A POLYMORPHIC MESOGEN

11:40 – 12:00 N. Denkov/K. Marinova (Sofia University)

IMPACT OF THE SURFACTANT STRUCTURE ON THE
FOAMING/DEFOAMING PERFORMANCE OF PLURONIC
NONIONICS IN CASEIN SOLUTIONS

12:00 – 12:20 K. Danov (Sofia University)

ELASTIC LANGMUIR LAYERS AND MEMBRANES
SUBJECTED TO UNIDIRECTIONAL COMPRESSION:
WRINKLING AND COLLAPSE

12:20 – 12:40 K. Antonova (ISSP – BAS)

ELECTRIC-FIELD-INDUCED PARTICLE ORIENTATION IN
AQUEOUS SUSPENSION OF BEIDELLITE CLAY DETECTED
BY ELECTRO-OPTICAL AND SAXS EXPERIMENTS

12:40 – 13:00 J. Pavlic (J. Stefan Institute, Slovenia)

REALIZATION OF MARIN MITOV'S IDEA FOR THE
STROBOSCOPIC ILLUMINATION USED IN OPTICAL
MICROSCOPY

13:00 – 13:50 Lunch break (Hall 200)

13:50 – 15:30 Presentations – second part

Chair: Assoc. Prof. Victoria Vitkova

13:50 – 14:10 D. Uzunov (ISSP – BAS)

DIAMAGNETIC CRITICAL SINGULARITY IN
UNCONVENTIONAL FERROMAGNETIC SUPERCONDUCTORS

14:10 – 14:30 H. Hinov/Y. Marinov (ISSP – BAS)

IMPROVED EVALUATION OF THE FLEXOELECTRIC
DOMAINS FORMATION THRESHOLD: THE CASE OF
ANISOTROPIC ELASTICITY

14:30 – 14:50 Y. Marinov (ISSP – BAS)

FLEXOELECTRO-OPTICAL BEHAVIOUR OF LAYERS FORMED
BY POLYMER-LIQUID CRYSTAL PHASE-SEPARATED
COMPOSITES

14:50 – 15:10 S. Dimitrova (INRNE – BAS)

SHELL-MODEL CALCULATIONS OF THE LOW ENERGY
SPECTRUM OF ^{92}Zr

15:10 – 15:30 P. Kralchevsky (Sofia University)

UNIQUE PROPERTIES OF BUBBLES AND FOAM FILMS
STABILIZED BY THE PROTEIN HFBII HYDROPHOBIN

15:30 Closing – Academician Alexander G. Petrov