

15:30 – 16:20	Dr. Müllerová: MAIN ACTIVITIES OF THE INSTITUTE OF SCIENTIFIC INSTRUMENTS & HISTORY OF ELECTRON MICROSCOPY AT THE INSTITUTE OF SCIENTIFIC INSTRUMENTS
16:20 - 17:10	Dr. Neděla: ENVIRONMENTAL SCANNING ELECTRON MICROSCOPY AND ITS APPLICATION POSSIBILITIES IN ISI ASCR
18:30	Welcome party and dinner

Thursday Aug. 28, 2014

9:00 – 9:45	Prof. Shiojiri: SOME TOPICS FROM OUR RECENT WORKS
9:45 – 10:30	Dr. Kawasaki: SCANNING TRANSMISSION ELECTRON MICROSCOPY AND ITS APPLICATION TO THIN FILM CHARACTERIZATION
10:30 – 11:00	Coffee break
11:00 – 11:50	Prof. Koshikawa: HIGH BRIGHTNESS AND HIGHLY SPIN-POLARIZED LOW ENERGY ELECTRON MICROSCOPY

14:00 – 14:20	Assoc. prof. Jiráček: COOPERATION OF ISI BRNO, ASCR AND DEPARTMENT OF ELECTROTECHNOLOGY, BUT ON DETECTORS FOR ESEM
14:20 – 14:40	Dr. Oral: COMPUTATIONS IN CHARGED PARTICLE OPTICS
14:40 – 15:10	Coffee break
15:10 – 16:10	Prof. Toth: ESEM AS A TOOL FOR SURFACE CHEMISTRY AT THE NANO-SCALE
16:10 – 16:30	Dr. Vlašínová: USE OF ESEM IN SOMATIC EMBRYOGENESIS OF GYMNOSPERMS
18:30	Dinner in the “U Zajíce”, classical music concert

Friday Aug. 29, 2014

9:30 – 9:55	Prof. Raška: NUCLEAR ORGANIZATION AND POLYCOMB CHROMATIN DOMAINS
9:55 – 10:25	Prof. Chongthammakun: ESTROGEN AND SYNAPTIC PLASTICITY
10:25 – 10:55	Coffee break
10:55 – 11:25	Dr. Heger: ICE AND ITS IMPURITIES FROM THE PERSPECTIVES OF PHOTOCHEMISTRY AND ELECTRON MICROSCOPY
11:25 – 11:45	Dr. Bučko: PROGRESS IN IMAGING TECHNIQUES FOR CHARACTERIZATION OF POLYELECTROLYTE COMPLEX MICROCAPSULES AS ENCAPSULATION MATRICE FOR BIOCATALYSTS
11:45 – 12:05	Dr. Schenk Mayerová: PHYSICAL AND BIOCATALYTIC PROPERTIES OF POLYVINYL ALCOHOL LENS-SHAPED PARTICLES VERSUS SPHERICAL POLYELECTROLYTE COMPLEX MICROCAPSULES
12:05 – 13:00	Lunch in hotel Templ
14:00 – 14:20	Assoc. prof. Maxa: USE SYSTEMS FOR THE ANALYSIS OF GAS FLOW

Programme of workshop

14:20 – 14:40	Hladká: ANALYSIS OF THE GAS FLOW
14:40 – 15:00	Ing. Hudec: THE DIFFERENT PERCENTAGE PERFORMANCE OF NANOPARTICLES AND THEIR EFFECT ON THE PROPERTIES OF EPOXY RESIN
15:00 – 15:30	Dr. Mašová: ELECTRON MICROSCOPY AS UNREPLACEABLE METHOD IN PARASITOLOGY: SEM & ESEM UTILIZATION