

PROGRAMME

WEDNESDAY, 25.3.2009

10:00-12:00 Registration

12:00 Lunch

13:00 - 13:10 Conference Opening
(chair P. Hozák)

13:10 -13:20 CSMS award for the contribution to the development of microscopy

13:20 -13:50 Laureate lecture

F. Čiampor: Morphogenesis of influenza viruses - electron and light microscopic study.

13:50 - 14:00 Announcement of results of the competition for the best PhD thesis with application of microscopic methods (Leica sponsored)

14:00-14:20 Winner lecture

V. Neděla: Ionisation detector of secondary electrons with electrostatic separator.

14:20 -14:30 FEI company scholarship award

14:30 – 15:00 Break

Invited lectures

(chair I. Vávra)

15:00 – 15:40 L. P. Biró (MFA Budapest): Bioinspired photonic nanoarchitectures (invited)

15:40 – 16:20 T. Mojzes (Charles University, Prague): Raman Microscopy and Imaging: Principles, Instrumentation and Applications (invited)

16:30 – 19:00 Poster section
(Posters will be displayed during the whole conference duration)

17:00 - 19:00 CSMS Committee (club lounge)

19:00 – 21:00 Dinner

THURSDAY, 26.3.2009

8:30- 10:30 – Company presentations – Electron Microscopy
(chair: P. Švec)

8:30 – 9:00 T. Oikawa (JEOL SAS): Current applications in Cs-corrected analytical electron microscopy

9:00 - 9:30 T. Ploczynski (Hitachi): Recent advances in application of STEM techniques in materials science and engineering

9:30 - 10:00 Dong Tang (FEI): Atomic scale HR-(S)TEM for materials science

10:00-10:20 Break

10:20-11:00 Company presentations - Light Microscopy
(chair: L. Kubínová)

10:20 – 10:40 T. Černohorský (RMI): Tip Enhanced Raman Scattering

10:40 – 11:00 J. Pala (Leica): Tunable elements in fluorescent laser scanning microscopy developed by Leica Microsystems

10:00 – 11:15 J. Vasak (KRD): Advanced live cell imaging using Delta Vision system

11:15 - 13:05 Oral contributions
(chairs J. Nebesářová and L. Frank)

11:15 - 11:30 I. Müllerová, M. Hovorka, R. Hanzlíková, L. Frank:
Low energy electron transmission through thin films by SEM

11:30 - 11: 45 M. Klementová: Five years of JEM-3010 at IIC

11:45 - 12:00 S. L. Brázdilová, M. Kozubek: Autofocusing software issues in automated fluorescence microscopy

12:00 – 12:15 V. Starý, P. Stepan, J. Nebesářová: Contrast and chromatic aberration in low voltage electron microscope - Monte-Carlo simulation

12:15 – 12:30 Š. Mikmeková, M. Hovorka, I. Müllerová, L. Frank, O. Man, L. Pantělejev: Study of the Microstructure of UFG Copper in UHV SLEEM

12:30 – 12:45 S. Yildirim, M. Kahle, J. Sýkora, D. Dzijak, M. Hof, P. Hozák:
Nuclear myosin I binds to phosphatidylinositol-4,5-bisphosphate in the cell

12:45 – 13:05 J. Dusza, V. Puchý, L. Hegedüs, J. Morgiel, Z. Bastl, P. Švec:
Characterization of Carbon Nanofibers and Zirconia – Carbon Nanofiber Composites by SEM, TEM, HREM and ESCA

13:05 Lunch

14:00 – 16:00 Guided Tour of the Municipal Reserve of Spišská Sobota

18.00 – 18.10 Closing Remarks

18:10 – 24:00 Conference dinner (including wine tasting accompanied by comments from Master Sommelier followed by music and dancing production)

FRIDAY, 27.3.2009

Departure of participants (please leave the rooms by 11:00 a.m.)