INVITATION

BROKERAGE OF NEW TECHNOLOGIES IN MATERIAL RESEARCH AND DEVELOPMENT

When: September 9, 2013 from 09:30 to 22:00
Where: Technical museum in Brno, Purkynova 105, 612 00 Brno-Kralovo Pole, the Czech Republic

Programme:

09:30 – 10:15 Registration, Welcome soft drink

10:15 – 10:30 Opening speech outlining the modern technologies in material research – Kaiser J., Šafarčíková L., CEITEC BUT Brno, Czech Republic

10:30 – 11:00 New trends in X-ray µCT at Elettra, Dreossi D., Synchrotron Elettra, Trieste, Italy

11:00 – 11:30 3D Digitization and additive manufacturing, Koutný D., BUT Brno, Czech Republic

11:30 – 12:00 Mobile device for stand-off laser-induced breakdown spectroscopy (LIBS) and its applications, Novotný J., Zikmund T., BUT Brno, Czech Rep.

12:00 – 13:30 Lunch banquet

13:30 – 14:00 A comparison between state of the art and latest micro-and nanoCTas well as with synchrotron-based CT,LübbehüsenJ., GE Measurement & Control, phoenix|x-ray, Wunstorf, Germany

14:00 – 14:30 Introduction of the Bruker (SkyScan) 1272 high-resolution µCT system, Munzar M., Bruker, Belgium

14:30 – 15:00 Rigaku Tools for X-ray microscopy and CT with Sub-micron Resolution, Rigaku Innovative Tech. Europe s.r.o., Pína L., Praha, Czech Republic

15:00 – 15:30 X-ray microscopy as a correlative imaging technique, Pete Lander, Carl Zeiss - X-ray Microscopy Group, Germany / USA

15:30 – 16:00 Coffee break

16:00 – 16:20 New technology using hydrocavitation for production of magnetically conductive ultrafine powders, Jech D., CEITEC BUT Brno, Czech Rep.
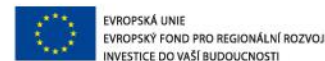
16:20 – 16:40 „Smart" polymers as a modern material solution, Vojtová L., CEITEC BUT Brno, Czech Republic

16:40 – 17:00 Usefulness of X-ray micro-computed tomography in animal models of dental disease, Jekl V., VFU Brno, Czech Republic

17:00 – 17:15 Summary of the project realization - BUT Material Research –Šafarčíková L., CEITEC BUT Brno, Czech Republic

17:15 – 17:30 Closing remarks – Kaiser J., CEITEC BUT Brno, Czech Republic

17:30 – 22:00 Brokerage, networking, banquet

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OP Výzkum a vývoj pro inovace

We look forward to your participation.
You are kindly asked to confirm your attendance here until September 4, 2013 at latest.

VUT Materiálový výzkum
CZ.1.05/3.1.00/13.0273