

EURIPIDES Forum 2010 in Paris

September 30th – October 1st, 2010 in Paris



INTEX

Intelligent Sensing and Communicating
Textile

Project labelled: September, 22nd 2009;

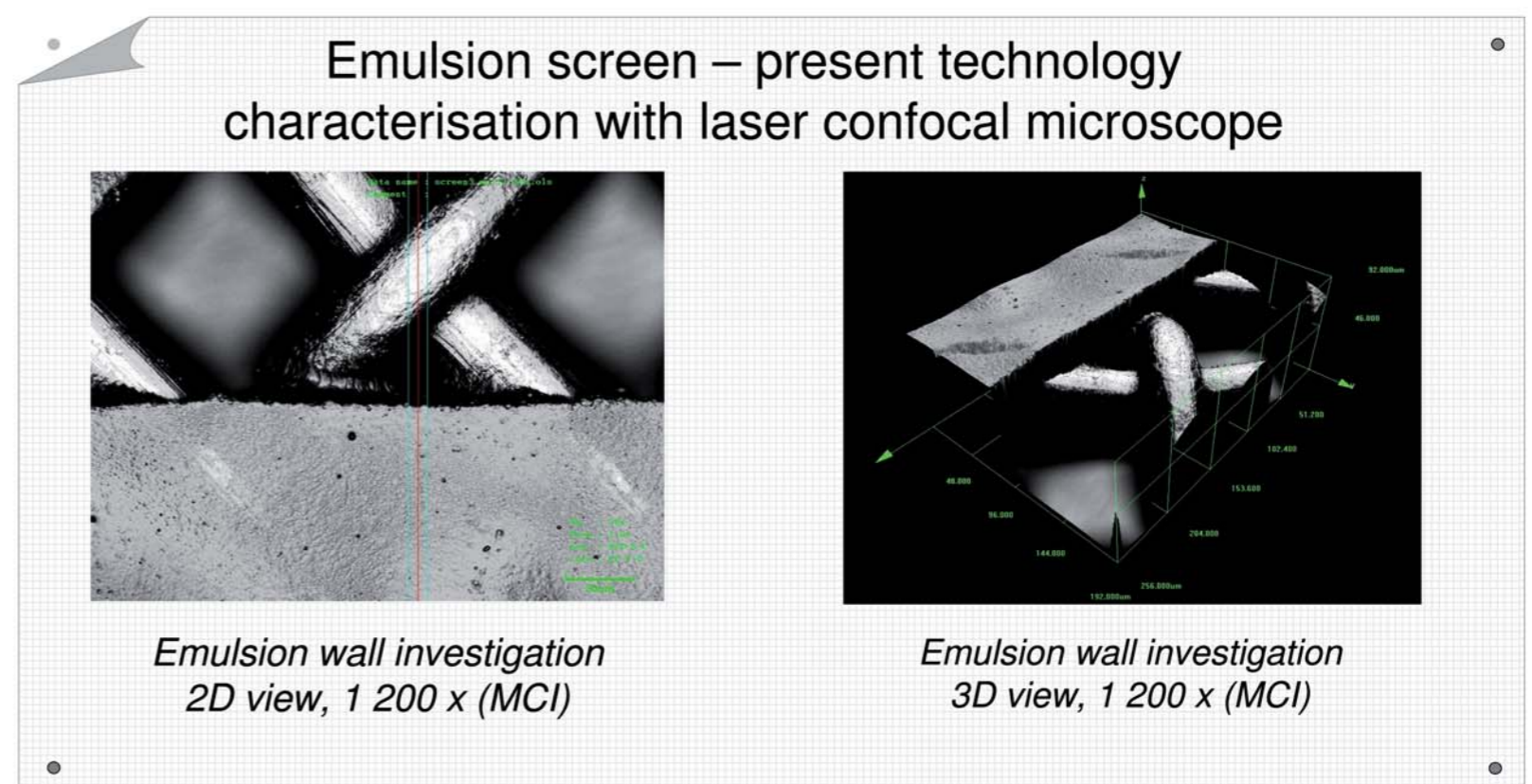
Project started: May, 1st 2010;

Kick off meeting: May, 17th to 19th 2010 in Pilsen; **Duration:** 4 years

Partners:

TESLA BLATNA, a. s. Czech Republic – project leader;
G.BOPP + CO. AG, Switzerland;
BVK Hradec Kralove, s. r. o. Czech Republic,

CEA Leti, France; Kissel + Wolf GmbH, Germany;
Microcircuit International, France;
University of West Bohemia, Czech Rep.



Project objectives:

- Development of a new generation of printing process: ultra thin film deposition below 1 μm , printing on alumina, silicon and textile substrates.
- Development of new sensing materials for printing application.
- Development of sensing elements to check body condition and to detect and measure ambient atmosphere.
- Development of functional building blocks of the smart microsystem for intelligent working clothing, beds, and similar applications.
- Solution for communication between microsystem modules and between microsystem and higher system level, antennas on textile.
- Smart system application in firemen clothing and other working clothing.

