Plasma deposition of thin films and coatings			
C4.II	**Organiser**	**Institution**	**Contact**
	Hynek Biederman	Charles University Prague, Czech Republic	**bieder@kmf.troja.mff.cuni.cz**
	Andrey Shukurov		**choukourov@kmf.troja.mff.cuni.cz**
	Ondrej Kylian		**ondrej.kylian@gmail.com**
	Summary		
	This symposium will cover mainly issues related to the production, characterization and application of PECVD of organic compounds, i.e.topics of high scientific and technological interest. Special regard will be paid also to nanostructured and nanocomposite films based on plasma polymers. The topics covered will include, but will not belimited to: ○ Diagnostics and modeling of plasma during the deposition of plasma polymers ○ Investigation of initial phases of thin films growth ○ Fabrication of polymeric nanoparticles and nanostructures by plasma based methods. ○ Characterization of deposited coatings from point of view of their physical, chemical or bioresponsive properties ○ Applications of films and coatings (for instance in biomedical field, photovoltaics, food packaging industry, energy storage and generation) ○ Development of new sources for PECVD Although the main attention will be devoted to low pressure PECVD, contributions dealing with atmospheric pressure plasma are also welcomed.		