Planned Symposia			
	Organiser	**Institution**	**Contact**
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Comments on candidate and symposium structure

Title: Nanopowders for application in biology, medicine, photonics and photovoltaics

This symposium will address growth methods, characterization and applications of various nanopowders/nanomaterials for applications in biology, medicine, but also in photonics and photovoltaics. This presently is a booming field of the research motivated for example by possibility of labelling in living cells, construction of new photonic and photovoltaic devices, etc. The mentioned above fluorescence labelling is highly important, due to a better stability of nanoparticles (quantum dots) as compared to presently used organic dyes. Their use may revolutionise early detection methods of many pathological changes in human bodies. Thus, this will be one of the important topics of the Symposium. Methods of emission stimulation in nanopowders (e.g. by doping with rare earth ions) will be discussed. Nanomaterials are also introduced to new generation of photovoltaic cells, in particular in the ones containing polymers, for enhanced light management, in materials synthesis and novel absorbers.

Marek Godlewski is full professor of the Department of Physics and Technology of Wide-Band-Gap Semiconductor Nanostructures in the Institute of Physics Polish Academy of Sciences in Warsaw, Poland. He heads laboratory working on a growth nanomaterials (by two methods) and characterization. He has published a high number of papers on nanostructures and presented results on several international conferences as an invited speaker. He has previously organized several international meetings, including several E-MRS Symposia.

Prof. Stuart Irvine is director of the Centre for Solar Energy Research (CSER) at the OpTIC centre in St. Asaph and Research Professor of Opto-electronic Materials for Solar Energy. Prof Irvine has over 30 years of experience in compound semiconductors, working for government, industry and in academia. His research interests have included infrared detector materials, new techniques in Metal Organic Chemical Vapour Deposition (MOCVD), in situ process monitoring and solar energy materials. Professor Irvine is a Chartered Physicist and is a Fellow of the Institute of Physics (FInstP) and a Fellow of the Institute of Materials, Minerals and Mining (FIMMM).