

Prof. Maciej Sibiński
President of the Scientific Board

 <https://orcid.org/0000-0002-9752-3400>



Scientific area: Engineering and Technology

Main affiliation: Lodz University of Technology, Poland

Between 1997 and 1999 in the TEMPUS programme prof. Sibiński participated in technological internship in Technische Universität Berlin, IRC in Ispra and State University of Gent in Belgium, as well as in numerous domestic centres. In 1999 he spent half year at the diploma internship at the University of Gent and defended a master thesis called \"Cadmium telluride solar cells\". In 2008, after defending a doctoral thesis titled \"Cadmium telluride-based solar cells\" he took a position of the Assistant Professor at the Chair of Semiconductors and Optoelectronic Devices at Technical University of Lodz. His research involves a wide scope connected with the optimisation of structure and fabrication technology of semiconductor devices, especially of solar cells. His main object of interest are thin-film heterojunction polycrystalline solar cells, whose design enables both decreasing the production costs of the solar modules, as well as its optimisation to use non-typical, alternative bedding materials.

Prof. Gerasimos Lyberatos

 <https://orcid.org/0000-0003-1663-4035>



Scientific area: Natural Science, Engineering and Technology

Main affiliation: National Technical University of Athens, Greece

Prof. Gerasimos Lyberatos is currently the professor in the School of Chemical Engineering, National Technical university of Athens and a collaborating faculty member of the Institute of Chemical Engineering and High Temperature Chemical Processes (Foundation of Research and Technology Hellas). He obtained his BSc at M.I.T. and his MSc and PhD at CALTECH (USA) and served as Assistant, and Associate Professor at the University of Florida. In 1990 he joined the

University of Patras as an Associate Professor and in 1993 became a Full Professor. In 2011 he moved to the National Technical University of Athens. His research interests include valorisation of biowaste for the production of energy and materials, pretreatment (thermal, chemical, enzymatic, fungal) for lignocellulosic biomass and waste exploitation, anaerobic digestion for the production of biogas from biomass and waste, biohydrogen production through dark fermentation, production of bioethanol, microbial fuel cells, production of biopolymers (polyhydroxyalkanoates) from biomass and wastes, alternative fuels for the cement industry, two-phase bioreactors for industrial wastewater treatment, fate and impact of emerging pollutants in the environment, solid waste management and hazardous waste management. He has over 170 publications in Internationally refereed Journals, and over 280 participations in International Conferences, 9 Chapters in books and two books. He has been coordinator and principal investigator in over 60 national and European research projects. He has supervised 35 PhD theses. He organised two International Conferences. He organised and served as coordinator of a graduate programme on "Solid Waste Management" of the Hellenic Open University. Prof. Lyberatos is also Editor of the Journal of Hazardous Materials (Elsevier), Associate Editor of Waste and Biomass Valorization (Springer) and Associate Editor of GNEST.

Prof. Hugo Gamez Cuatzin

 <https://orcid.org/0000-0003-3402-4476>



Scientific area: Engineering and Technology

Main affiliation: Centre for Engineering and Industrial Development (CIDESI), Queretaro, Mexico

He was born in 1967 in Orizaba, Ver., Mexico. He has a Bachelor's Degree in Electronic Engineering from the Orizaba Institute of Technology (Orizaba, Ver., Mexico, 1990) and a Master's Degree in Electrical Engineering from the Advanced Studies and Research Center of the Polytechnic National Institute (Mexico City, 1994). In 1998 he obtained a Ph D in Integrated Electronic Devices from the National Institute for Applied Sciences (INSA) of Lyon, France. His thesis dissertation was about the *Opto-electronics assessment of Si/SiGe/Si heterostructures for applications on doping modulation transistors (MODFETs)*. In 1999 he obtained a post-doctoral grant from the National Council for Scientific Research (CNRS) of France to secure a project for the development of *Blue LEDs on silicon cubic substrates compatible with Si microelectronics*, funded by the Rhône-Alpes Region. From 2003 to 2006 he worked at EMERSON NETWORK POWER - Energy Systems, France, as Account Manager in charge of Business Development for Central Europe market. In 2009 he joined the Research and Postgraduate Division of the Centre for Engineering and Industrial Development (CIDESI) in Queretaro, as Senior Researcher and Professor for the CIDESI's post-graduate programmes. CIDESI is one of the most important Mexican public research centres being part of the Mexico's National Council for Science and Technology (CONACYT) Public Research Centers Network. As PMI's certified project manager professional, GAMEZ CUATZIN, PhD has successfully conducted several Research and Innovation projects in close collaboration with Mexican industry in the area of Marine Technology, Surface Engineering for Turbomachinery, Nanotechnology and Electronics HW and SW product development.

Prof. Joanna Kulczycka

 <https://orcid.org/0000-0002-4377-5506>



Scientific area: Social sciences - Management

Main affiliation: AGH University of Science and Technology, Poland

Joanna Kulczycka, PhD, DSc, associate prof. - Head and founder of the Department of Strategic Research at MEERI Polish Academy of Sciences, prof. at the Faculty of Management AGH University of Science and Technology, author of over 200 publications including 1st book about LCA in Polish, 1st Polish Minerals Yearbook, 1st book about critical raw materials in Poland (Web of Science Hi index =12). Member of EU H2020 SC5 Advisory Group for Societal Challenge 5 'Climate Action, Environment, Resource Efficiency and Raw Materials (2014-2018), EU EIT Raw Material (operational group), European Circular Economy Stakeholder Platform, Committee for Sustainable Management of Raw Materials of Polish Academy of Science, president of Waste Management and Recycling Cluster (Key National Cluster), and director of IATI office – Polish, network of technology and innovation.

Prof. Ozgur Seydibeyoglu

 <https://orcid.org/0000-0002-2584-7043>



Scientific area: Natural Science, Engineering and Technology

Main affiliation: Izmir Katip Celebi University, Turkey

Seydibeyoğlu, PhD received his PhD. in 2007 from Istanbul Technical University which was a joint PhD study with Norwegian University of Science and Technology (NTNU). Having obtained his PhD he was a post-doctoral research fellow at the University of Guelph, ON, Canada where he worked on biocomposites in the context of circular economy utilising agri-waste products. After his post-doc study, he worked at AKSA Acrylic Chemicals company as a research scientist where he developed novel lignin based carbon fibers and novel sizing formulations for carbon fiber industry. In 2012, he joined Izmir Katip Celebi University as Asst. Prof. and now he is Assoc. Prof. at the university. He has 20 indexed publications with numerous conference papers. He has 393 citations for his publications with H-index of 7. He is an editor for the book specifically on fiber technology that will be published in 2017 by Elsevier. He holds a patent on nanosize boron minerals. He is about to get a patent with ER on inorganic filled rubber formulations.

Prof. Sergii Bespalko



Scientific area: Engineering and technology

Main affiliation: Cherkasy State Technological University, Ukraine

In 2003, Sergii Bespalko graduated with honors from the Cherkasy State Technological University (Ukraine), Faculty of Mechanical Engineering. In 2009, he defended his PhD thesis in the field of thermal physics and industrial heat-and-power engineering at the National Technical University of Ukraine “Kyiv Polytechnic Institute” (Ukraine). Since 2010, he has held the position of Associate Prof. in the Department of Energy Technologies at the Cherkasy State Technological University (Ukraine). He was a co-author of several technical research projects financed by the Ukrainian Ministry of Education and Research. In the projects, a technology for the volumetric non-contact liquid heating was developed and apparatuses for the production of water-fuel as well as phase change emulsions were designed. In 2011, he became a member of the Anhalt Academy for Energy and Environment e.V. (Germany) being involved in organising the International Summer University of Environmental Sciences, which is held in Germany and Hungary, as well as delivering lectures concerning renewable energy utilisation to international students. Since 2017, he has served as the Member of the Scientific Council of the journal “Acta Innovations” issued by the CBI Pro-Academy (Poland). On 05th of March 2018, he received the Seal of Excellence Award from European Commission (EU) for High-Quality Project Proposal in a Highly Competitive Evaluation Process submitted under Horizon 2020. Currently, he is developing innovative technologies for renewable energy storage, both in the form of electricity and heat.

Prof. Volodymyr Rodchenko

 <https://orcid.org/0000-0003-0298-4747>



Scientific area: Economics and finances

Main affiliation: Karazin Kharkiv National University, Ukraine

In 1999, Professor Rodchenko graduated from V.N. Karazin Kharkiv National University. In 2013 he defended his doctoral thesis of economic science, “Methodology of social and economic development of urban complexes of Ukraine regulation”. Author and co-author of more than 130 scientific papers, including (during recent 5 years) 3 articles, 1 single

monograph and 11 monographs in co-sponsorship, published in Ukrainian; 2 guidance manuals. Awarded with the National Academy of Sciences of Ukraine Medal of Honor for Ukrainian Scientists 1918-2018 (2019).

Rodchenko V. is the Head of 2 research works: "Mechanisms for development of investment infrastructure of the region"; "Toolkit Development for Realization of Kharkiv Region Smart Specialization Strategy". The results of his research have been implemented in the work of state institutions implementing the policy of regulation of socio-economic development: the Verkhovna Rada of Ukraine, the Ministry for Development of Economy, Trade and Agriculture of Ukraine, Ministry of Regional Development, Building and Housing and Communal Services of Ukraine and others. Academician of the Academy of Economic Science of Ukraine in specialisation of Local & regional economics. Member of the Expert Council of the Ministry of Education and Science of Ukraine on Sectorial Development and Entrepreneurship. Member of the Scientific Council of the Ministry of Education and Science of Ukraine (Section 17. Economics. Areas 7. Economics and Management of the National Economy. 11. Regional Economics).

Combines teaching, scientific and professional activities: leading specialist in strategic planning, scientific consultant of the Development Strategy of Kharkiv region by 2020, of the Development Strategy of Kharkiv region for the period 2021-2027, Strategy of innovative development of Ukraine for the period until 2030, Kharkiv City Development Strategies for the period till 2030 and Development Strategies for 11 agglomerated hromadas in Kharkiv Region.

Prof. Zhu Yao

 <https://orcid.org/0000-0003-4099-7872>



Scientific area: two-dimensional nanomaterials

Main affiliation: Collaborative Innovation Center for Translational Medicine, Shenzhen University

Currently Zhu Yao is Assistant Researcher, Collaborative Innovation Center for Translational Medicine, Shenzhen People's Hospital (Research direction: Multifunctional nano-theranostic system based on two-dimensional materials).

In 2016-2019 she was Postdoc (Shenzhen University, International Cooperation Laboratory) 2D materials for Optoelectronics of Science and Technology of the Ministry of National Education (Research direction: two-dimensional nanomaterials).

Project member: Research on the mechanism of targeted diagnosis and synergistic enhancement of sonodynamic therapy of neoplasms based on magnetic microbubbles carrying black phosphorus; Shenzhen layout project, Base 20180026: Research and application of intelligent black phosphorus drug controlled release system in the field of precise tumor treatment. National Natural Project, 81171841: Experimental study of magnetic ultrasound targeted microbubbles mediated CPT1A-shRNA transfection in the treatment of breast cancer
