

# Mezinárodní a národní výzkumné projekty

prof. Ing. Zbyněk Škvor, CSc.

2021-10-20

# CELSA (celsalliance.eu) (ČVUT and UK only)



CELSA  
Central Europe Leuven Strategic Alliance

HOME ABOUT UPDATES MEMBERS JOINT PROJECTS CONTACT CALL

## Sixth Call CELSA Research Fund

Deadline is November 25th, 2021.

It is expected that CELSA will be able to fund up to 10 - 12 new research collaborations between CELSA researchers.

- For all details, see the [CELSA Research Fund guide for applicants](#).
- Looking for a partner? Send a message expressing your interest for collaboration, and indicating your topic of expertise to the support team ([contact@celsalliance.eu](mailto:contact@celsalliance.eu))

## COLLABORATION & INNOVATION

---

### PROFESSORS DE WITTE AND TACHEZY WIN THE CELSA SOCIETY AWARD

14°C Oblačno 21:25

# Projekty „k přistoupení“ (ČVUT only) 1/2

- **Projects 2021**

- **ÉMIGRÉ EUROPE.** Civil Engagement Transfers between Eastern Europe and the Low Countries, 1933-1989 by Kim Christiaens (KU Leuven/KADOC - Documentation and Research Centre for Religion, Culture and Society) Tamás Scheibner (ELTE, Faculty of Humanities, Institute of Hungarian Literature and Cultural Studies) Dorota Prasałowicz (UJ/Fac. of Internat. and Political Studies/Institute of American Studies and Polish Diaspora) Mirosław Michela (CUNI/Fac. of Humanities/Dept. of History)
- **Ius commune and local testamentary succession laws in the periphery of the European academic tradition.** A comparative analysis of the Polish-Lithuanian Commonwealth and the Low Countries. by Wouter Druwé (KU Leuven/Faculty of Law, Division for Roman Law and Legal History) Maciej Mikula (UJ, Department of Church Law and Law on Religious Denomination)
- **Contested Heritage.** A multilevel analysis of the securitization of heritage and its challenges for EU and UN actorness (COHERE) by Lien Verpoest (KU Leuven/Faculty of Arts, Modernity & Society 1800-2000, Leuven) Koenraad Van Balen (KU Leuven/Department of Civil Engineering, Materials and Constructions, Leuven (Arenberg)) Jan Wouters (KU Leuven/Faculty of Law, Research Unit International and European Law) Patrick Pasture (KU Leuven/Faculty of Arts, Modernity & Society 1800-2000, Leuven) Alexandra Yatsyk (UT, Faculty of Social Sciences, Johan Skytte Institute of Political Studies) Andrey Makarychev (UT, Faculty of Social Sciences, Johan Skytte Institute of Political Studies) Aliaksei Kazharski (CUNI, Department of Security Studies)
- **Why does it feel good to be sure? A unifying framework of decision confidence and affect.** by Kobe Desender (KU Leuven/Faculty of Psychology and Educational Sciences, Brain and Cognition) Andero Uusberg (UT, Institute of Psychology, Affect and regulation)
- **Discovery of novel bioactive natural compounds from symbiotic microorganisms (DiNoBiNaC)** by Joleen Masschelein (KU Leuven/Department of Biology, Molecular Biotechnology of Plants and Micro-organisms) Wim De Borggraeve (KU Leuven/Department of Chemistry, Molecular Design and Synthesis) Gábor M. Kovács (ELTE, Department of Plant Anatomy Research, Institute of Biology) Imre Boldizsár (ELTE, Department of Plant Anatomy Research, Institute of Biology)
- **Exploring levan oligosaccharide-producing organisms to protect strawberry fruit,** by Wim Van den Ende (KU Leuven/Department of Biology, Molecular Biotechnology of Plants and Micro-organisms) Triinu Visnapuu (UT, Faculty of Science and Technology, Institute of Molecular and Cell Biology).
- **Rainfall interception experimentation and modelling for enhanced impact analysis of nature-based solutions** by Patrick Willems (KU Leuven/Department of Civil Engineering, Hydraulics and Geotechnics, Leuven (Arenberg)) Matjaž Mikoš (UL, Faculty of Civil and Geodetic Engineering, Chair of Hydrology and Hydraulic Engineering and UNESCO Chair on Water-related Disaster Risk Reduction)

# Projekty „k přistoupení“ (ČVUT only) 2/2

- **Merging Excited State Decay Rate Theories with Semi-Classical Nonadiabatic Excited State Dynamics** (PhotoSynergy) by Daniel Escudero (KU Leuven/Department of Chemistry, Quantum Chemistry and Physical Chemistry) Joanna Jankowska (UW, Faculty of Chemistry, Laboratory of Spectroscopy and Intermolecular Interactions)
- **Electrocatalytic MOF for Nitrogen Reduction Reactions (eMOF)** by Johan Hofkens (KU Leuven/Department of Chemistry, Molecular Imaging and Photonics) Nadezda Kongi (UT, Institute of Chemistry, Chair of Colloid and Environmental Chemistry)
- **Software Technologies for Open, Decentralized and Self-adaptive IoT Systems (PERSIST)** by Daniel Weyns (KU Leuven/Computer Science, Kulak Kortrijk Campus) Sam Michiels (KU Leuven/Department of Computer Sciences, Distributed and Secure Software (DistriNet), Leuven (Arenberg)) Dimitri Van Landuyt (KU Leuven/Departement Computerwetenschappen/Gedistrib. & Veilige Software Leuven) Tomáš Bureš (CUNI, Faculty of Mathematics & Physics/Dept. of Distributed and Dependable Systems, SmartArch Research Group) Petr Hnetyňka (CUNI, Faculty of Mathematics & Physics/Dept. of Distributed and Dependable Systems, SmartArch Research Group)
- **Active learning and interpretation of computational model on tissue specific permeability for stock and virtual drug discovery library** by Yves Moreau (KU Leuven/Department of Electrical Engineering (ESAT), Dynamical Systems, Signal Processing and Data Analytics(STADIUS)) György Tibor Balogh (BME, Chemical Technology and Biotechnology/Chemical and Environmental Process Engineering, Biomimetic Technological Research Group)
- **Fundamental Study on Next Generation Multi-Material Wire-Arc Additive Manufacturing** by Abhay Sharma (KU Leuven/Department of Materials Engineering, Sustainable Materials Processing and Recycling (SeMPeR), De Nayer (Sint-Katelijne-Waver) Campus)) Patrick Van Rymenant (KU Leuven/Department of Materials Engineering, Manufacturing Processes and Systems (MaPS), De Nayer (Sint-Katelijne-Waver) Campus)) Damjan Klobčar (UL, Faculty of Mechanical Engineering, Laboratory for Welding LAVAR) Drago Bračun (UL, Faculty of mechanical engineering, Manufacturing cybernetics and experimentation)
- **Innovative drag reduction of streamlined vehicles by miniature vortex generators** by Maarten Vanierschot (KU Leuven/Department of Mechanical Engineering, Manufacturing Processes and Systems (MaPS), Group T Leuven Campus) György Paál (BME, Faculty of Mechanical Engineering, Department of Hydrodynamic Systems)
- **Excitation-inhibition imbalance in autism-epilepsy comorbidity, a preclinical and clinical study** by Peter de Witte (KU Leuven/Department of Pharmaceutical and Pharmacological Sciences, Molecular Biodiscovery) Bart Boets (KU Leuven/Department of Neurosciences, Research Group Psychiatry) Petra Varro (ELTE, Faculty of Natural Sciences, Dept Physiology and Neobiology)
- **Deception by design. Characteristics and acceptability of research strategies that intentionally mislead research participants** by Pascal Borry (KU Leuven/Department of Public Health and Primary Care, Interfaculty Centre for Biomedical Ethics and Law) Dieter Baeyens (KU Leuven/Faculty of Psychology and Educational Sciences, Parenting and Special Education) Jan Piasecki (UJ, Faculty of Health Sciences, Department of Philosophy and Bioethics)
- **Expanding the genetic landscape of Congenital Disorders of Glycosylation using genomic techniques - RNA-Seq** by Gert Matthijs (KU Leuven/Department of Human Genetics) Hana Hansíková (CUNI, First Faculty of Medicine, Department of Paediatrics and Inherited Metabolic Disorders, Laboratory for Study of Mitochondrial disorders) Tomáš Honzík (CUNI, First Faculty of Medicine, Department of Paediatrics and Inherited Metabolic Disorders)