

Thursday, 10. October 2019

Croatian Academy of Sciences and Arts (HAZU) / Kroatische Akademie der Wissenschaften und Künste, Strossmayerov trg 14, Large hall in the HAZU library / Großer Saal in der HAZU-Bibliothek

8:00 – 9:00	Registration / Registrierung
9:00 – 9:45	Greetings / Begrüßung: Mile Ivanda, President of the Croatian Humboldt Club / Präsident des Humboldt-Club Kroatien David Smith, Director of Ruđer Bošković Institute / Direktor des Ruđer Bošković Instituts Damir Boras, Rector of the University of Zagreb / Rektor der Universität Zagreb Velimir Neidhardt, President of the Croatian Academy of Sciences and Arts / Präsident der Kroatische Akademie der Wissenschaften und Künste Blaženka Divjak, Minister of Science and Education / Minister für Wissenschaft, Bildung Robert Klinke, Ambassador of the Federal Republic of Germany / Botschafter der Bundesrepublik Deutschland Kolinda Grabar Kitarović, President of the Republic of Croatia / Präsidentin der Republik Kroatien
9:45 – 10:00	Musical ensemble <i>IMPACT FACTOR</i> Songs: <i>Maybe, The Web, El Condor Pasa</i>
10:00 – 10:30	Representative of Alexander von Humboldt-Stiftung, Leiter der Abteilung Förderung und Netzwerk / Alexander von Humboldt Foundation, Head of the Promotion and Network Department Vortrag über die Alexander von Humboldt Stiftung / Lecture on the Alexander von Humboldt Foundation
10:30 – 11:00	Pavo Barišić, University Department of Croatian Studies, University of Zagreb <i>Alexander von Humboldt als Weltwissenschaftler und Weltbürger / Alexander von Humboldt as a World Scientist and Cosmopolitan</i>
11:00 – 11:15	Coffee break / Kaffee pause
	Keynote lectures / Keynote Vorträge Chair Pavo Barišić
11:15 – 11:45	Dario Vretenar, Croatian Academy of Sciences and Arts Zagreb and Faculty of Sciences, University of Zagreb <i>Competitive Research Funding in Croatia</i>
11:45 – 12:15	<i>Milena Žic Fuchs, Croatian Academy of Sciences and Arts Zagreb and The Faculty of Humanities and Social Sciences, University of Zagreb</i> <i>Missions and Horizon Europe: The Inter/Multi/Transdisciplinary Context</i>
12:15 – 13:30	Lunch / Mittagessen
	Chair Ivica Picek
13:30 – 13:55	Invited lecture / Eingeladener Vortrag: Blažeka Melić, Ruđer Bošković Institute, Zagreb, Croatia <i>CERN Membership as an Opportunity for Croatian Physics</i>
13:55 – 14:20	Invited lecture / Eingeladener Vortrag: Dubravko Kičić, Biocenter, Zagreb, Croatia

	<i>BIOcenter: First Five Years</i>
14:20 – 14:45	Invited lecture / Eingeladener Vortrag: Siegfried Gehrman, University of Zagreb, Faculty of Teacher Education, Center for European Education, Croatia <i>Braucht Europa eine mehrsprachige Wissenschaft und Bildung</i>
14:45 – 15:00	Marina Ilakovac Kveder, Ruđer Bošković Institute, Zagreb, Croatia <i>How can Electron Paramagnetic Resonance Spectroscopy Contribute to Science and Education Challenges Facing Europe in the Next Decade</i>
15:00 – 15:15	Melita Šalković-Petrišić, Department of Pharmacology and the Croatian Institute for Brain Research, University of Zagreb School of Medicine, Zagreb, Croatia <i>Modelling of Sporadic Alzheimer’s Disease and Testing of Oral Galactose as a Possible Therapeutic Strategy</i>
15:15 – 15:30	Coffee break / Kaffee pause
15:30 – 17:00	Roundtable I <i>Science does matter: How to integrate technology, health, and environment</i> Moderators: Valerije Vrčec and Ivo Barić Participants: Zoran Hadži-Velkov, Makedonija; Branimir Jovančićević and Mirko Komatina, Serbia, Igor Čatić and Dubravko Kičić, Croatia
18:00 - 19: 30	A walking tour of Zagreb and the Strossmayer Gallery of Old Masters / Ein Rundgang durch Zagreb und die Strossmayer-Galerie alter Meister
19:30 – 21:30	Dinner / Abendessen

Junior scientist session (Small HAZU hall)

Nachwuchsforscher Sitzung (Kleine HAZU Saal)

	Junior Scientist Session Chair: Vesna Janicki
13:30 – 13:45	Vedran Đerek, Wallenberg Center for Molecular Medicine, Linköping University, Norrköping, Sweden <i>3D Micro- and Nano-Structuring for Opto-Bioelectronics</i>
13:45 – 14:00	<i>Vlatko Gašparić, Ruđer Bošković Institute, Zagreb, Croatia</i> <i>Photonic Nanojet of a Microsphere for Raman Scattering Enhancement</i>
14:15 - 14:30	Vesna Janicki, Ruđer Bošković Institute, Zagreb, Croatia <i>Micro and Nanostructuring Using Glass Poling and Electric Field Assisted Dissolution</i>
14:30 – 14:45	Nikola Baran, Ruđer Bošković Institute, Zagreb, Croatia <i>Sensing Properties of Nanostructured Porous Silicon</i>
14:45 – 15:00	Tomislav Lesičar, Institute of Applied Mechanics, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Croatia <i>Advanced Computational Modelling of Complex Materials</i>

15:00– 15:15	Mihovil Bosnar, Ruđer Bošković Institute, Zagreb, Croatia <i>Modifying the Proximity Induced Spin Polarization of Graphene by the Electric Field</i>
15:15– 15:30	Coffee break / Kaffee pause

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8:00 – 8:30	Registrierung / Registration
	Keynote lectures / Keynote Vorträge Chair: Jurica Sorić
8:30 – 9:00	Mihael Grbić, Faculty of Science, University of Zagreb, Croatia <i>Centre for Advanced Research of Complex Systems - University of Zagreb, Croatia's Enhancement of Infrastructure for Material Research</i>
9:00 – 9:30	Slobodan Vukičević, Croatian Academy of Sciences and Arts Zagreb, Croatia and Medical faculty, University of Zagreb, Croatia <i>Clinical Testing of the New Drug "Osteogrow"</i>
9:30 – 10:00	Juergen Popp, Leibniz Institute of Photonic Technology, Jena, Germany <i>Biophotonics - a Key Technology for Precision Medicine</i>
10:00 – 10:15	Coffee break / Kaffee pause
	Keynote lectures / Keynote Vorträge Chair: Ivan Malčić
10:15 – 10:45	Alemka Markotić, Clinic for Infectious Disease, "Dr. Fran Mihaljevic", Zagreb, Croatia <i>European Structural and Investment Projects to Promote Excellence in Infectious Disease Research in Croatia: Centers of Excellence and Centers of Competence</i>
10:45 – 11:15	Ashok Vaseashta, Virginia Polytechnic Institute and State University, Manassas, Virginia, USA <i>Hybrid Security Challenges and Solution Pathways Framework Using Science and Technology Convergence Paradigm</i>
11:15 – 11:45	Zdravko Radman, Institute of Philosophy, Zagreb, Croatia <i>The Embodied Mind - A Shift Away from Classical Cognitivism</i>
11:45– 12:00	Coffee break / Kaffee pause
12:00- 13:30	Roundtable II <i>Young scientists in the next decade: education and chances</i> Moderator: Milan Pelc Participants: Yuri Kalvachev, Bulgaria; Marina Šekutor, Ivan Malčić, Mario Stipčević and Zoran Jašić, Croatia
13:30 – 14:15	<i>Lunch / Mittagessen</i>
	Chair Davor Dukić

14:15 – 14:30	Alojzije Jembrih, University Department of Croatian Studies, University of Zagreb, Croatia <i>Zur Rezeption der deutschen Jugendliteratur in Nordkroatien des 18. Jahrhunderts.</i>
14:30 – 14:45	Urška Perenič and Miran Hladnik, Philosophical Faculty Ljubljana, Slovenia <i>Slowenische Literaturwissenschaft zwischen Tradition und Digitalisierung</i>
14:45 – 15:00	Danko Bosanac, Adriatic Aerospace Agency, Zagreb, Croatia <i>Perspectives of Space technology in Croatia</i>
15:00 – 15:15	Dalibor Paar, Department of Physics, Faculty of Science, University of Zagreb, Croatia <i>STEM Education from Kindergarten to Lifelong Learning</i>
15:15 – 15:30	Mario Stipčević, Ruđer Bošković Institute, Zagreb, Croatia <i>Comparison of Croatian and US elementary school systems</i>
15:30 – 15:45	Roman Brajša, Faculty of Geodesy, University of Zagreb, Croatia <i>Solar Physics with Atacama Large Millimeter/Submillimeter Array (ALMA): Selected First Results</i>
15:45– 16:00	Coffee break / Kaffee pause
16:00 – 17:30	Poster Session
18:30 – 19: 00	Travel for dinner by bus to the town of Samobor (Restaurant “Kod Gabreka”) / Fahrt zum Abendessen mit dem Bus in die Stadt Samobor (Restaurant „Kod Gabreka“)
19:00 – 21:00	Dinner / Abendessen

Junior scientist session (Small HAZU hall)

Nachwuchsforscher Sitzung (Kleine HAZU Saal)

	Junior Scientist Session Chair: Sanja Tomić
14:15 – 14:30	Tana Tandarić, Ruđer Bošković Institute, Zagreb, Croatia: <i>Irreversible Inhibition of the MAO B Enzyme. A Computational Insight into the Inactivation Mechanism</i>
14:30 – 14:45	Fabio Franchini, Ruđer Bošković Institute, Zagreb, Croatia <i>Novel Characterizations of Classical and Quantum Many-Body Systems</i>
14:45 – 15:00	Lana Virag, Institute of Applied Mechanics, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Croatia <i>Numerical Modelling of Vascular Disease Progression</i>
15:00 – 15:15	Ethem Mandić, Faculty of Montenegrin Language and Literature, Cetinje, Montenegro <i>Political Novel in South Slavic Context</i>
15:15 – 15:30	Vanja Marić, Ruđer Bošković Institute, Zagreb, Croatia <i>The Frustration of being Odd</i>
15:30 – 15:45	Sanja Tomić, Ruđer Bošković Institute, Zagreb, Croatia <i>Biological Relevance of Human Dipeptidyl Peptidase III</i>
15:45– 16:00	Coffee break / Kaffee pause