



5th Symposium on the Synthesis and Application
of Curved Organic π -Molecules & Materials
CURO- π^5
19-21 July 2023, Hermitage Hotel, Prague, Czech Republic

Wednesday 19 July

11:00 - 14:00		Registration
13:00 - 13:15		Opening of the Symposium Irena G. Stará Institute of Organic Chemistry and Biochemistry, CAS, Prague, Czech Republic Symposium Chair Zdeněk Hostomský Institute of Organic Chemistry and Biochemistry, CAS, Prague, Czech Republic Vice-Director for International Relations
	Chairperson	Przemysław Gawel Institute of Organic Chemistry, PAC, Warsaw, Poland Michael Mastalerz Ruprecht Karl University of Heidelberg, Germany Editor-in-Chief, Organic Materials (Thieme)
13:15 - 14:00	KL 1 Keynote Thieme Organic Materials Lecture	Ron Naaman Weizmann Institute, Rehovot, Israel Chiral Molecules and the Electron Spin - How Charge is Transferred in Curved Systems?
14:00 - 14:25	CL 1 Contributed Lecture	Araceli G. Campaña University of Granada, Spain Merging Distortions: Saddle Shapes in Helix and Rings
14:25 - 14:50	CL 2 Contributed Lecture	Ori Gidron The Hebrew University of Jerusalem, Israel Controlling Helicity in Aromatic Systems using Tethered Twistacenes
14:50 - 15:05	SC 1 Short Communication	Rainer Herges Kiel University, Germany A Simple and New Method to Detect Explosives with Curved Aromatics: One Stick to Detect Them All
15:05 - 15:20	SC 2 Short Communication	Marc Gingras Aix-Marseille University & CNRS, Marseille, France Twisting Molecules Toward Chirality - Helicenes and Chiral Nanographenes
15:20 - 15:50		Coffee Break

Wednesday 19 July, contd.

	Chairperson	
	Alyssa-Jennifer Avestro University of York, United Kingdom	
15:50 - 16:25	IL 1 Invited Lecture	Jeanne Crassous University of Rennes 1, France Multifunctionality in Metal-Based Helicenes
16:25 - 16:50	CL 3 Contributed Lecture	Harry L. Anderson University of Oxford, United Kingdom Approaches to π-Conjugated Porphyrin Nanobelts
16:50 - 17:15	CL 4 Contributed Lecture	Yao-Ting Wu National Cheng Kung University, Tainan, Taiwan Highly Distorted Multiple Helicenes: Syntheses, Structural Analyses, and Properties
17:15 - 17:30	SC 3 Short Communication	Albert Guijarro University of Alicante, Spain Quantum Interference in Conducting Helical Molecules
17:30 - 17:45	SC 4 Short Communication	Graham J. Bodwell Memorial University of Newfoundland, St. John's, Canada Synthesis, Conformational Behaviour and Long-Range Intramolecular Charge-Transfer of a pH-Responsive Mixed Cyclophane of Pyridine and Teropyrene
17:45 - 18:00	SC 5 Short Communication	Yoann Coquerel Aix-Marseille University & CNRS, Marseille, France Synthesis and Properties of Highly Contorted Triphenylene-Based Multiple Helicenes
18:00 - 19:30	PS 1	Poster Session
20:00 - 22:30		Students' Beer Party - LAb Bar Náplavka

Thursday 20 July

	Chairperson	Agnieszka Nowak-Król Julius Maximilian University of Würzburg, Germany
		Zdeněk Hostomský Institute of Organic Chemistry and Biochemistry, CAS, Prague, Czech Republic Vice-Director for International Relations
8:45 - 9:30	KL 2 Keynote IOCB Lecture	Colin Nuckolls Columbia University, New York, USA Putting Contorted Aromatics into Materials
9:30 - 9:55	CL 5 Contributed Lecture	Marina A. Petrukhina University at Albany, USA Reduction-Induced Reactivity of Strained and Twisted Molecular Nanographenes
9:55 - 10:20	CL 6 Contributed Lecture	Martin Kotora Charles University, Prague, Czech Republic Synthesis of Helical Indenofluorenes and Their Transformations to other Aromatic Compounds
10:20 - 10:35	SC 6 Short Communication	Frank Würthner Julius Maximilian University of Würzburg, Germany π-π Catalysis of Helicene Enantiomerization by Enzyme-like Substrate Recognition within Chiral Perylene Bisimide Cyclophanes
10:35 - 11:05		Coffee Break
	Chairperson	Fabien Durola University of Bordeaux & CNRS, France
11:05 - 11:40	IL 2 Invited Lecture	Birgit Esser Ulm University, Germany New Avenues for Dibenzopentalenes as non-Alternant π-Systems with Antiaromatic Character
11:40 - 12:05	CL 7 Contributed Lecture	Miquel Solà University of Girona, Spain 3D-Aromaticity or 2D-Aromaticity in 3D?
12:05 - 12:30	CL 8 Contributed Lecture	Hidehiro Sakurai Osaka University, Japan Trioxosumanene: A Curved Aromatic Ketone
12:30 - 12:45	SC 7 Short Communication	Prince Ravat Julius Maximilian University of Würzburg, Germany Molecular Engineering of Helically Chiral Functional Molecules: Materials for Next Generation (Opto)electronics
12:45 - 14:00		Lunch

Thursday 20 July, contd.

	Chairperson	Mihaiela Stuparu Nanyang Technological University, Singapore
14:00 - 14:35	IL 3 Invited Lecture	Pavel Jelinek Institute of Physics, CAS, Prague, Czech Republic On-Surface Synthesis and Characterization of Polyradical PAH Macrocycles
14:35 - 14:50	SC 8 Short Communication	Alyssa-Jennifer Avestro University of York, United Kingdom On the Zimmerman–Möbius Aromaticity of Helical Electrophores
14:50 - 15:05	SC 9 Short Communication	Milan Kivala Ruprecht Karl University of Heidelberg, Germany Curved Pyracylene upon π-Expansion
15:05 - 15:20	SC 10 Short Communication	Cassandra Quinton University of Rennes 1, France Comparison of Linear and Cyclic Oligocarbazoles: A New Perspective of Nano hoops in Organic Electronics
15:20 - 15:35	SC 11 Short Communication	Junzhi Liu The University of Hong Kong, People's Republic of China Rational Synthesis of Graphene Molecules with Non-Alternant Topologies
15:35 - 15:50	SC 12 Short Communication	Michael Mastalerz Ruprecht Karl University of Heidelberg, Germany A New Type of Double-Helix Formation Based on Twistarenes
15:50 - 16:20		Coffee Break
	Chairperson	Ognjen Miljanic University of Houston, USA
16:20 - 16:55	IL 4 Invited Lecture	Matthew J. Fuchter Imperial College London, United Kingdom Overcoming Challenges in the Application of Chiral Conjugated Materials to Circularly Polarized Optoelectronic Devices
16:55 - 17:20	CL 9 Contributed Lecture	Michel Rickhaus University of Zurich & University of Geneva, Switzerland From Curved π-Systems to Self-Assembled 2D Materials
17:20 - 17:45	CL 10 Contributed Lecture	Michael Pittelkow University of Copenhagen, Denmark New Curved π-Conjugated Molecules: Circulenes and Helicenes
17:45 - 18:00	SC 13 Short Communication	Johannes F. Teichert Chemnitz University of Technology, Germany Stable Neutral Homoaromatic Hydrocarbons: Not Curved, but not Flat Either
19:30 - 22:30		Symposium Dinner - Potrefená husa Restaurant

Friday 21 July

	Chairperson	Marina A. Petrukhina University at Albany, USA
8:45 - 9:20	IL 5 Invited Lecture	Marcel Mayor University of Basel, Switzerland & Institute of Nanotechnology, KIT, Karlsruhe, Germany & Sun Yat-Sen University, Guangzhou, People's Republic of China "Geländer" Architectures as Helical Chiral π-Systems
9:20 - 9:45	CL 11 Contributed Lecture	Agnieszka Nowak-Król Julius Maximilian University of Würzburg, Germany Synthesis of an Azaborathia[9]helicene from Unusual Atropisomers
9:45 - 10:10	CL 12 Contributed Lecture	Liangbing Gan Peking University, Beijing, People's Republic of China Fullerene-Based Molecular Containers for Halide Anions and Metal Halide Salts
10:10 - 10:25	SC 14 Short Communication	Jochen R. Brandt Queen Mary University of London, United Kingdom Modular Synthesis of Heterohelicenes in Continuous Flow
10:25 - 10:55		Coffee Break
	Chairperson	Ori Gidron The Hebrew University of Jerusalem, Israel
10:55 - 11:30	IL 6 Invited Lecture	Hiroyuki Isoe The University of Tokyo, Japan Supramolecular Chemistry at Curved π-Systems
11:30 - 11:55	CL 13 Contributed Lecture	Mihaiela C. Stuparu Nanyang Technological University, Singapore Synthesis of Curved Nanographenes
11:55 - 12:20	CL 14 Contributed Lecture	Tomáš Šolomek University of Amsterdam, The Netherlands Helicene Carbon Nanohoops with Möbius Topology
12:20 - 12:45	CL 15 Contributed Lecture	Aurelio Mateo-Alonso University of the Basque Country UPV/EHU, Donostia-San Sebastián, Spain & Ikerbasque, Basque Foundation for Science, Bilbao, Spain Merging Distorted Nanographenes and Framework Materials
12:45 - 13:00	SC 15 Short Communication	Florian Glöcklhofer Imperial College London, United Kingdom & TU Wien, Austria Concealed Antiaromaticity
13:00 - 13:15		Poster Awards & Closing of the Symposium Irena G. Stará Institute of Organic Chemistry and Biochemistry, CAS, Prague, Czech Republic Symposium Chair