All onsite lectures will be at Room 204 in Building A at the College of Chemistry and Molecular Engineering, Peking University

13:00--14:00 Onsite registration
14:10--14:20 **Liangbing Gan**, Peking University, China
Welcome

Afternoon Session I – Chair Zhenfeng Xi

14:20--15:20 **Harry Anderson**, Oxford University, UK
Keynote Lecture
π-Conjugated Molecular Nanorings: Synthesis & Properties
15:23--15:43 **Nazario Martin**, Universidad Complutense de Madrid, Spain
Electronic Control of the Scholl Reaction: Selective Synthesis of Spiro *vs* Helical Nanographenes
15:46--15:52 **Zhe Sun**, Tianjin University, China
Synthesis of N-containing nanohoops with cyclocondensation reaction
15:55--16:01 **Qianyan Zhang**, Xiamen University, China
Multiple [n]Helicenes with Azacorannulene as Core

16:04--16:30 **Tea and Coffee**

Afternoon Session II – Chair Yan Li

16:30--16:50 **Hiroyuki Isobe**, University of Tokyo, Japan
Synthesis of Negatively Curved Phenine Nanocarbons via Design-of-Experiments Optimization with Machine-learning Supplements
16:53--17:13 **Irena G Stara**, Academy of Sciences of the Czech Republic, Czech Republic
Helicene-Based π-Conjugated Macrocycles: Their Synthesis and Properties
17:16--17:36 **Michael Masterlerz**, Ruprecht-Karls-Universität Heidelberg, Germany
Monkey Saddles and other Contorted Polycyclic Aromatic Compounds
17:39--17:45 **Gang Zhang**, Nanjing Forestry University, China
Multiple Heteroatoms Doped Bowl-shaped Polycyclic Aromatic Hydrocarbons
17:48--17:54 **Guankui Long**, Nankai University, China
Chiral Cylindrical Molecule with Absorption Dissymmetry Factor towards Theoretical Limit of 2

Morning Session I – Chair Dahui Zhao

08:30--08:50 **Marina Petrukina**, University at Albany, USA
Multi-Electron Charging of Bent and Twisted Nanocarbons: How They Respond?

08:53--09:13 **Rik Tykwinski**, University of Alberta, Canada
Sensitized Singlet Fission in Pentacene-Subphthalocyanine Conjugates

09:16--09:36 **Ramesh Jasti**, University of Oregon, USA
Bridging Carbon Nanoscience and Organic Synthesis

09:39--09:45 **Yi Han**, National University of Singapore, Singapore
Atomically Precise Synthesis of Single-Walled Carbon Nanotube Fragments

09:48--09:54 **Yong Ni**, National University of Singapore, Singapore
3D Global Aromaticity in a Fully Conjugated Diradicaloid Cage at Different Oxidation States

09:57--10:03 **Jianlong Xia**, Wuhan University of Technology, China
The Impact of Linker on the Photovoltaic Performance of Helical Perylene Diimide based Non-Fullerene Acceptors

10:03--10:25 **Tea and Coffee**

Morning ession II – Chair TBD

10:25--10:45 **Hidehiro Sakurai**, Osaka University, Japan
Fullerenol as a Unique, Non-coordinative Matrix for Colloidal Metal Nanoparticles

10:48--11:08 **Huan Cong**, Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, China
Synthesis and Assembly of Rigid Conjugated Macrocycles

11:12--11:32 **Pingwu Du**, University of Science and Technology of China, China
Large π-Extended Carbon Nanorings: From Synthesis to Properties

11:35--11:41 **Zhichang Liu**, Westlake University, China
Nonalternant Isomers of Acenes Fusing Multiple Azulene Units

11:44--11:50 **Dexian Wang**, Institute of Chemistry, Chinese Academy of Sciences, China
Benzene Triimide Cages: Efficient and Selective Anion Receptors through Cooperative Anion-π Interactions

11:53--11:59 **Fan Zhang**, Shanghai Jiao Tong University, China
Synthesis of Multiple Heterohelicenes with Zigzag-NBN Functional Edges

12:00--14:00 **Lunch**

Afternoon Session I – Chair Dexian Wang

14:00--14:20 **Su-Yuan Xie**, Xiamen University, China
Flexible Decapyrrylcorannulene Hosts

14:23--14:43 **Max von Delius**, University of Ulm, Germany
Pushing the Limits of Site-Selective Fullerene Chemistry within Multishell [10]Cycloparaphenylene Complexes

14:46--15:06 **Michael Pittelkow**, University of Copenhagen, Denmark
Synthesis and Properties of Heterocyclic Helicenes

15:09--15:15 **Florian Glöcklhofer**, Imperial College London, United Kingdom
Squarephaneic Tetraanhydride: A Conjugated Macrocyclic Building
Block for Redox-Active Porous Organic Materials

15:18--15:24 **Xuguang Liu**, Tianjin University of Technology, China
BN-doped [4]Helicenes

15:25--15:50 **Tea and Coffee**

Afternoon Session II – Chair Su-Yuan Xie

15:50--16:10 **Birgit Esser**, University of Ulm, Germany
Conjugated Nanohoops based on Non-Alternant and Antiaromatic Dibenzo[*a*,*e*]pentalenes

16:13--16:33 **Takashi Hirose**, Kyoto University, Japan
Doubly Linked Chiral Phenanthrene Oligomers for Homogeneously π-Extended Helicenes with Large Effective Conjugation Length

16:36--16:56 **Qian Miao**, Chinese University of Hong Kong, China
An Organic Chemistry Approach to Precise Synthesis of Curved Nanocarbons

16:59--17:05 **Debin Xia**, Harbin Institute of Technology, China
Syntheses and Properties of Symmetric and Asymmetric Nanographene Molecules based on Triphenylenotriyne

17:08--17:14 **Zuo-Quan Jiang**, Soochow University, China
Synthesis and Application of π-Functional Spiro Molecules

Morning Session I – Chair Mei-Xiang Wang

08:30--08:50 **Graham Bodwell**, Memorial University, Canada
Synthesis of *anti*-[1](1,6)Naphthaleno[1](1,6)naphthalenophane by Double Contractive Annulation of [2.2]Paracyclophane

08:53--09:13 **Colin Nuckolls**, Columbia University, USA
Chiral Materials from Perylene Diimide Building Blocks: Twistacenes and Helicenes

09:16--09:36 **Zhaohui Wang**, Tsinghua University, China
Molecular Carbon Imides

09:39--09:45 **Asja A. Kroeger**, The University of Western Australia, Australia
π-π Catalysis in Carbon Flatland and Beyond-Computational Investigations into the Effects of Adsorption and Host–Guest Complexation on Inversion Processes

09:48--09:54 **Shuo Tong**, Tsinghua University, China
Inherently Chiral Heteroatom-doped Zigzag Hydrocarbon Nanobelts: Asymmetric Synthesis and Circularly Polarized Luminescence Property

09:54--10:15 **Tea and Coffee**

Morning Session II – Chair Jian Pei

10:15--10:35 **Shigeru Yamago**, Kyoto University, Japan
Syntheses, Structures, and Properties of Alkene- and *o*-Phenylene Inserted Cycloparaphenylenes

10:38--10:58 **Jishan Wu**, National University of Singapore, Singapore
Synthesis of Some Challenging Molecular Carbons

11:01--11:21 **Mei-Xiang Wang**, Tsinghua University, China
Synthesis of Zigzag Hydrocarbon Nanobelts and Heteroatom-Embedded Analogs

11:24--11:30 **Xiao-Ye Wang**, Nankai University, China
B,N-Embedded Double Hetero[7]helicenes with Strong Chiroptical Responses in the Visible Light Region

11:33--11:39 **Yuan-Zhi Tan**, Xiamen University, China
Supramolecular Assembly of Curved Carbon-Rich Molecules

11:39-- **Closing remarks and announcement concerning CURO-PI-5**