

## ISNA-20 - Detailed programming by day

### Sunday, August 11

- 18:00      **Opening Remarks** (TRSM, Auditorium 1-067)
- 18:30      **Nozoe Lecture** (Timothy Swager, MIT) – Chair: Harry Anderson
- 19:30 -22:00    **Welcome Reception** (TRSM levels 7 & 8)

### Monday, August 12 – Morning Sessions

09:00      **PL-1 Shigehiro Yamaguchi** (Nagoya University)  
Main-Group-Based  $\pi$ -Electron Materials for Stimuli-Responsive Materials  
and Fluorescent Probes

Chair:  
Judy Wu

09:40      **IL-1 Yoann Coquerel** (CNRS, Aix Marseille University)  
Extending the  $\pi$ -system of triphenylene towards multihelicenes

10:00      **KL-1 Daniel Gryko** (Polish Academy of Sciences)  
Journey from 1,4-dihydropyrrolo[3,2-*b*]pyrroles to dipyrrolo-  
naphthyridinediones

10:30      **Break**

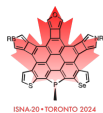
10:50      **IL-2 Akiko Yagi** (Nagoya University)  
Synthesis and application of novel molecular nanocarbons enabled by  
rational design for modification of arenes

Chair:  
Cedric Schaack

11:10      **CL-1 Wesley Chalifoux** (University of Alberta)  
Synthesis of Nanographenes from Domino Diyne Benzannulations

11:30      **KL-2 Natalia Shustova** (University of South Carolina)  
Graphitic Metal-Organic Materials

12:00      **Break**



## ISNA-20 - Detailed programming by day

### Monday, August 12 – Afternoon Sessions

13:30 **KL-3 Shinji Toyota** (Tokyo Institute of Technology)  
Anthracene Rings, Cages, and Helices

Chair:  
Derek Schipper

14:00 **CL-2 Máté Bezdek** (ETH Zurich)  
Functionalized Terthiophenes as Multi-Electron Electrolytes for Energy Storage

14:20 **CL-3 Shingo Ito** (Nanyang Technological University)  
A Novel Synthetic Approach to Azahexabenzocoronium Molecules

14:40 **CL-4 Chih-hsiu Lin** (Academia Sinica)  
13,14-Diaryl-Dibenzo[*b,j*][4,7]Phenanthroline, a Readily Accessible and Versatile Scaffold to Synthesize and Study Stacked Aromatic Systems- Applications in Constructing Multiple-layer Phenylene Ladders and Molecular Balance

15:00 **CL-5 Theresa McCormick** (Portland State University)  
Novel Tellurorhodamines as Photocatalysts for Aerobic Oxidation

15:20 **Break**

15:40 **KL-4 Birgit Esser** (Ulm University)  
Heteroaromatics and Antiaromatics for Charge Storage in Next-generation Batteries

Chair:  
Michal Cyranski

16:10 **CL-6 Yosuke Tani** (Osaka University)  
Metal-Free Organic 1,2-Diketone for Fast Room-Temperature Phosphorescence: Mechanism and Structure–Property Relationship

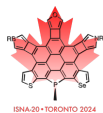
16:30 **CL-7 Dmytro Perepichka** (McGill University)  
Unusual Luminescent Properties of Stable Organic Radicals and Diradicaloids

16:50 **CL-8 Jeffrey Farrell** (National Taiwan University)  
Metal-Free Alkyne Annulation Enabling  $\pi$ -Extension of Boron-Doped Polycyclic Aromatic Hydrocarbons

17:10 **KL-5 Amnon Stanger** (Technion)  
Uses of NICS for Singlet Fission and for Tropicity (Aromaticity) in Second and Third Row Elements Containing three-membered rings.

17:40 **Break**

17:45 **Poster Session I** (odd-numbered posters) – TRSM level 7 and 8



## ISNA-20 - Detailed programming by day

### Tuesday, August 13 – Morning Sessions

09:00 **PL-2 Frank Würthner** (University of Wuerzburg)  
Supramolecular Engineering of Functional Materials

Chair:  
Takashi Kubo

09:40 **IL-3 Oliver Dumele** (University of Freiburg)  
Organic Frameworks as Inspiration for Functional Molecular Systems

10:00 **KL-6 Aiko Fukazawa** (Kyoto University)  
Electron-Accepting  $\pi$ -Conjugated Hydrocarbons with Robustness toward Multi-Electron Reduction

10:30 **Break**

10:50 **IL-4 Zac Hudson** (University of British Columbia)  
Thermally Activated Delayed Fluorescence Materials for Energy Transfer Photocatalysis

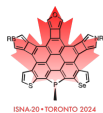
Chair:  
Kathleen Kilway

11:10 **CL-9 Yusuke Ishigaki** (Hokkaido University)  
Dibenzotropylium End-Capped Longest Oligo(9,10-anthrylene)s: Isolation and Exploration of Huge Hydrocarbonic Dications

11:30 **KL-7 Anke Krüger** (University of Stuttgart)  
Diamond-based  $sp^3/sp^2$  hybrid carbon nanomaterials: Synthesis, characterization and applications

12:00 **Break**

12:00 – 13:30 **IAB board meeting** (CPA Lounge 1-003, TRSM level 7)



## ISNA-20 - Detailed programming by day

### Tuesday, August 13 – Afternoon Sessions

13:30 **KL-8 Carlos Romero Nieto** (University of Castilla La Mancha)  
What can phosphorus heterocycles provide to materials science? Chair:  
Joshua Walsh

14:00 **CL-10 Siegfried Eigler** (Free University Berlin)  
Carbon-rich Fluorescent Dyes – Aromatic and Quinoid Structures

14:20 **CL-11 Norihito Fukui** (Nagoya University)  
Catalytic Enantioselective Synthesis of Figure-Eight  $\pi$ - Acceptor by  
Oxidative Inner-Bond Cleavage

14:40 **CL-12 Marek Grzybowski** (Polish Academy of Sciences)  
Pentacene Analogues Doped with Donor and Acceptor Heteroatoms

15:00 **CL-13 Yumi Yakiyama** (Osaka University)  
Bowl Direction and Dielectric Property Arrangements in Monofluoro-  
sumanene

15:20 **Break**

15:40 **KL-9 Atsushi Wakamiya** (Kyoto University)  
pi-Conjugated Materials for Efficient Perovskite Photovoltaics Chair:  
Takanori Suzuki

16:10 **CL-14 Alexander Kuehne** (Ulm University)  
Design strategies for high performance light-emitting triarylmethyl  
radicals

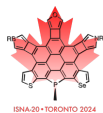
16:30 **CL-15 Rik Tykwinski** (University of Alberta)  
Understanding the chemistry of even [n]cumulenes

16:50 **CL-16 Wallace Wong** (University of Melbourne)  
Engineering Emitters for Triplet-Triplet Annihilation Upconversion

17:10 **KL-10 Przemysław Gawet** (Polish Academy of Sciences)  
Modulating Optoelectronic Properties of Indoloindolizines through  
Structural Design

17:40 **Break**

17:45 **Poster Session II** (even-numbered posters) – TRSM level 7 and 8



## ISNA-20 - Detailed programming by day

### Wednesday, August 14 – Morning Sessions

09:00 **PL-3 Malika Jeffries-EL** (Boston University)  
Design and Synthesis of Tunable Organic Semiconductors

Chair:  
Rainer Herges

09:40 **IL-5 Robert Glliard** (MIT)  
An Excursion into the Chemistry of Boron-Incorporated Radicals, Anions, and Cations

10:00 **KL-11 Michal Juríček** (University of Zurich)  
Taming and unleashing the reactivity of nanographene  $\pi$ -radicals

10:30 **Break**

10:50 **IL-6 Kelong Zhu** (Sun Yat-Sen University)  
Sulphur-embedded Hydrocarbon Belts

Chair:  
Graham Bodwell

11:10 **CL-17 Tomohiko Nishiuchi** (Osaka University)  
Stable Aminyl Radical and Nitrenium Cations with Bulky Aromatic Rings

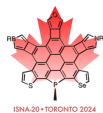
11:30 **CL-18 Frieder Jäkle** (Rutgers University - Newark)  
New Functional Materials via B-N Lewis Pair Modification of Polycyclic Aromatic Hydrocarbons

11:50 **CL-19 Johannes Teichert** (TU Chemnitz)  
Stable neutral homoaromatic hydrocarbons – from identification to photoswitching behaviour

12:10 **KL-12 Katherine Mirica** (Dartmouth College)  
Molecular Engineering of Conductive Framework Materials for Chemical Sensing, Filtration, and Detoxification

12:40 **Break**

*End of scientific program for the day*



## ISNA-20 - Detailed programming by day

### Thursday, August 15 – Morning Sessions

09:00 **PL-4 Hiroko Yamada** (Kyoto University)  
Substituent Engineering of Tetrabenzoporphyrins for Organic Field Effect Transistor Materials

Chair:  
Ivo Stary

09:40 **IL-7 Semin Lee** (Louisiana State University)  
Cycloparaphenyleneacetylene Carbon Nano hoops

10:00 **KL-13 Hiroyuki Isobe** (The University of Tokyo)  
Visiting old and learning new via nanocarbon molecules

10:30 **Break**

10:50 **IL-8 Davita Watkins** (The Ohio State University)  
pH-Sensitive NIR-II Emissive Thienothiadiazole (TTD)-based Fluorophores for Dual Fluorescence Bioimaging and Photothermal Therapy

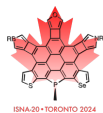
Chair:  
Will Skene

11:10 **CL-20 Joe Gilroy** (The University of Western Ontario)  
Pi-Conjugated Main Group Materials Derived from Formazanate Ligands

11:30 **KL-14 Marina Petrukhina** (University at Albany, SUNY)  
Reshaping pi-Expanded Hydrocarbon Hosts with Electrons

12:00 **Break**

*Afternoon program continues next page*



## ISNA-20 - Detailed programming by day

### Thursday, August 15 – Afternoon Sessions

**KL-15 Yan Xia** (Stanford University) Chair:  
Hiroshi  
Shinokubo  
13:30 Catalytic Arene-(oxa)Norborene Annulation as An Empowering Chemistry to Access Unusual Carbon Structures

**CL-21 Takashi Hirose** (Kyoto University)  
14:00 Rational Design of Helically Twisted Chiral Molecular Wires based on Homogeneously  $\pi$ -Extended Helicenes

**CL-22 Markus Korb** (The University of Western Australia)  
14:20 Charge Delocalization in Ferrocenyl-Functionalized Cyclobutenes and Related Aromatic and Non-aromatic Macrocycles

**CL-23 Tomáš Slanina** (Czech Academy of Sciences)  
14:40 On the Unique Aromaticity of Azulene and Pseudoazulenes

**CL-24 Hong Zhang** (Xiamen University)  
15:00 Introducing Main Group Elements into Aromatic Metallacycles: Synthesis, Reactivities, and Computations

15:20 **Break**

**KL-16 Youhei Takeda** (Osaka University) Chair:  
Juan Casado  
15:40 Tuning photophysical properties of dibenzo[*a,j*]phenazine-cored donor-acceptor-donor  $\pi$ -conjugated emitters through heteroatom incorporation

**CL-25 Qian Miao** (The Chinese University of Hong Kong)  
16:10 Seven, Eight, and Nine-Membered Rings in Negatively Curved Polycyclic Aromatics Formed by Scholl Reactions

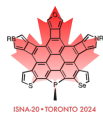
**CL-26 Martin Peeks** (University of New South Wales)  
16:30 Manifestations of (anti)aromaticity in porphyrinoids big and small

**CL-27 Ori Gidron** (The Hebrew University of Jerusalem)  
16:50 Aromatic Materials – A Twisted Tale

**CL-28 Benoît Lessard** (University of Ottawa)  
17:10 Silicon Phthalocyanines for organic thin film transistors

17:30 **End of session**

19:00 **Conference Banquet** (off site at Eglinton Grand Theatre, 400 Eglinton Ave W)



## ISNA-20 - Detailed programming by day

### Friday, August 16 – Morning Sessions

09:00 **PL-5 Ramesh Jasti** (University of Oregon)  
Development of New Synthetic Methods and Their Application in Carbon Nanoscience

Chair:  
Marc  
MacKinnon

09:40 **IL-9 Renana Poranne** (Technion)  
Data is a Girl's Best Friend: From High-Throughput Computations to Generative Deep Learning

10:00 **KL-17 Max von Delius** (Ulm University)  
Performing Selective Syntheses within Carbon Nano hoops

10:30 **Break**

10:50 **CL-29 Eli Zysman-Colman** (University of St. Andrews)  
Recent Advances in Multi-resonant Thermally Activated Delayed Fluorescence Emitter Design

Chair:  
Ken Maly

11:10 **CL-30 Michel Rickhaus** (University of Geneva)  
Unlocking Supramolecular Synthesis: The Strategic Design of Curved Polyaromatics

11:30 **KL-18 Irena Stará** (Czech Academy of Sciences)  
Helicenes as Fascinating Screw-Shaped Molecules with Unique Properties

12:00 **KL-19 Liangbing Gan** (Peking University)  
Open-cage Fullerenes as Molecular Containers and Macrocyclic Ligands

12:30 **Closing Ceremony** – announcement of ISNA-21

**13:00 End of ISNA-20**