Previous Talks, by academic year.

2022-2023

2022/09/07
Dajana Vuckovic, Concordia, PhD External
Topic Area: Chemical Biology
Time: 1:30 pm
Room: ChB 115
Host: Prof. Ken Yeung

2022/09/21
Jeremy May, UT Houston (shared with Brock, McMaster)
Title: Electrophilic Deborylations in Synthesis
Topic Area: Synthesis
Time: 1:30 pm
Room: ChB 115
Host: Prof. Michael A. Kerr

2022/09/27
Hiroharu Ajiro, NAIST
Title: Molecular design for functional polymers using trimethylene carbonate with ester free structure
Topic Area: Materials
Time: 1:30 pm
Room: ChB 115
Host: Prof. Elizabeth R. Gillies

2022/10/12
Joe Gilroy, Chem Research Award Seminar
Title: Probing the Relationship Between the Structure, Bonding, and Optoelectronic Properties of Boron Formazanate Heterocycles
Topic Area: General
Time: 1:30 pm
Room: ChB 115
Host: Prof. Johanna M. Blacquiere

2022/10/20
Bruce Arndtsen, McGill
Title: Alternative Energetic Drivers for Metal Catalyzed Coupling Reactions
Topic Area: Synthesis
Time: 2:30 pm
Room: ChB 115
Host: Prof. Johanna M. Blacquiere
**2022/10/25**
David Emslie, McMaster
Title: From Alkyl to Silyl, Silylene and Silene Complexes of Manganese
Topic Area: Synthesis
Time: 3:30 pm
Room: ChB 115
Host: Prof. Johanna M. Blacquiere

**2022/11/02**
Sanjib Patra
Title: Wire-like Ru(II)-Alkynyl Organometallic Complexes with π-Conjugated Bridging Backbone
Topic Area: Synthesis
Time: 9:30 am
Room: Remote - Zoom
Host: Prof. Joe B. Gilroy

**2022/11/09**
Huck Grover, MUN
Title: C–H Functionalization and Catalytic Cascade Reactions in the Synthesis of Heterocycles
Topic Area: Synthesis
Time: 1:30 pm
Room: ChB 115
Host: Prof. Michael A. Kerr

**2022/11/16**
JP Lumb, McGill
Title: Studying Biosynthetic Aerobic Oxidations under Redox Neutral Conditions: Recent Lessons from Lignan and Melanin Biosynthesis
Topic Area: Synthesis
Time: 10:30 am
Room: ChB 9
Host: Prof. Kim Baines

**2022/11/16**
Andrew Beharry, UofT Mississauga
Title: Light-Responsive Probes: Guiding Clinician Decision-Making and Destroying Cancer
Topic Area: Chemical Biology
Time: 1:30 pm
Room: ChB 115
Host: Prof. Robert H.E. Hudson
2022/11/23
Paul Johnson, Laval
Title: Richardson-Gaudin Wavefunctions for Strong Correlation in Chemistry
Topic Area: Theoretical
Time: 1:30 pm
Room: ChB 115
Host: Prof. Viktor N. Staroverov

22/12/06
Ian Coulthard Senior Scientist, Canadian Light Source
Title: The Canadian Light Source: How a 3rd Generation Fish Can Swim and Thrive in a 4th Generation Pond
Topic Area: General
Time: 10:30am
Room: ChB 115
Host: Prof. T.K. Sham

2022/12/07
Adyn Melenbacher, Bancroft Award Seminar
Topic Area: General
Time: 1:30 pm
Room: ChB 115
Host: Prof. Martin J. Stillman

2022/01/11
Stella Constas, Chem Research Award (2021) Seminar
Topic Area: General
Time: 1:30 pm
Room: ChB 115
Host: Prof. Johanna M. Blacquiere

2022/02/08
Zac Hudson, UBC
Topic Area: Materials
Time: 1:30 pm
Room: ChB 115
Host: Prof. Joe B. Gilroy

2023/03/01
Drew Higgins, McMaster
Topic Area: Materials
Time: 1:30 pm
Room: ChB 115
Host: Prof. Samantha Gateman
2023/03/08
Louise Dawe, Wilfred Laurier
Topic Area: Synthesis
Time: 1:30 pm
Room: ChB 115
Host: Prof. Joe B. Gilroy

2023/03/15
Rustam Khaliullin, McGill
Topic Area: Theoretical
Time: 1:30 pm
Room: ChB 115
Host: Prof. Viktor N. Staroverov

2023/03/22
Avena Ross, Queens
Topic Area: Chem. Biol.
Time: 1:30 pm
Room: ChB 115
Host: Prof. Johanna M. Blacquiere

2023/05/10
Jeffery Van Humbeck, U Calgary
Topic Area: Synthesis
Time: 1:30 pm
Room: ChB 115
Host: Prof. Johanna M. Blaquiere

2023/05/24
Mathew Willans, Western University
Topic Area: NMR
Time: 1:30 pm
Room: ChB 9
Host: Prof. Johanna M. Blaquiere
2021-2022

2021/8/25
The 2021 Bancroft Award Lecture
Kenneth Chu
Title: Investigating and Optimizing the Performance of Light-Emitting Electrochemical Cells Based on Graphene Quantum Dots
Time: 1:30 pm
Room: Zoom
Host: Prof. Zhifeng Ding

2021/10/13
Christopher Thibodeaux (Assistant Professor of Chemistry, McGill University)
Title: Revealing the Mechanistic Roles of Enzyme Conformational Dynamics with Structural Mass Spectrometry
Time: 1:30 pm
Room: Zoom
Host: Prof. Lars Konermann

2021/10/20
2020 Paul de Mayo Award Winner
Dr. Vanessa Beland (Postdoctoral Researcher, York University Dept of Chemistry)
Title: Tandem Work Towards Organic Electrodes & an Independent Career in Chemistry
Time: 1:30 pm
Room: Zoom
Host: Prof. Paul J. Ragogna

2021/10/27
Darryl Klassen (Lab Manager, 3M Safety & Graphics Business)
Title: “3M Corporate Overview” followed by “Career Insights for Industry from a Western Chemistry Grad"
Time: 1:30 pm
Room: Zoom
Host: Prof. Johanna Blacquiere

2021/11/17
Dr. Isha DeCoito (Faculty of Education, Western University)
Title: Preparation and Inspiration – Integrative STEM Education in the 21st Century
Time: 1:30 pm
Room: Zoom
Host: Prof. Yolanda Hedberg
2021/11/24
Dr. Athina Anastasaki (Assistant Professor in Department of Materials, ETH Zurich)
Title: Tuning Molecular Weight Distributions By ATRP And RAFT: A Discussion
Time: 1:30 pm
Room: Zoom
Host: Prof. Joe Gilroy

2021/12/01
Dr. Annemieke Farenhorst (Associate Dean, Research for the Faculty of Agricultural and Food Sciences, University of Manitoba)
Title: Assessments of Pesticide Mixtures in a Less Diverse Academy
Time: 1:30 pm
Room: Zoom
Host: Prof. Kim Baines

2021/12/08
Dr. Gilles Arsenault (Arlanxeo)
Title: Post-functionalization of Synthetic Polymers of Interest to the Auto Industry
Time: 1:30 pm
Room: Zoom
Host: Prof. Joe Gilroy

2022/02/16
2021 Paul de Mayo Award Lecture
Dr. Victor Yin (Bijvoet Center for Biomolecular Research)
Title: Single Particle Mass Measurement Methods: Weighing in on SARS-CoV-2/Antibody Interactions
Time: 11:30 pm
Room: Zoom
Host: Prof. Lars Konermann

2022/02/23
Seán Barry (Chemistry, Carleton University)
Title: Atomic Layer Deposition, It's Just Like Chemistry
Time: 1:30 pm
Room: Zoom
Host: Prof. Paul J. Ragogna
2020-21

2020/10/14
Distinguished CAMBR Lectureship
Professor Krzysztof Matyjaszewski, Carnegie Mellon University
Title: ATRP: More active than dormant

2020/10/28
Dr. Ranjith Divigalpitiya
Title: Two-Dimensional Materials @ 3M: A retrospective of an industrial scientist

2020/11/11
The 2020 Bancroft Award Lecture
Dr. Vinicius dos Santos
$^{17}$O solid-state NMR at 35.2 T: Ultrahigh spectral resolution unlocks ultrafine information on oxygen environments in MOFs

2020/11/18
Professor Chenguang Fan, University of Arkansas
Genetic code expansion in protein acetylation studies

Date: 2020/12/02
Professor Kalaichelvi (Kalai) Saravanamutu, McMaster University
Title: Polymer microstructures that see and think: configuring enhanced fields of view and computational ability in soft materials.

Date: 2020/12/09
The 2019 Paul de Mayo Award Lecture
Dr. Ryan R. Maar, The Dow Chemical Company
Title: Chromium-Catalyzed Ethylene Tetramerization Using Phospholane-Based Ligands

2021/02/03
Prof. Anna Klinkova (Department of Chemistry, University of Waterloo)
Title: Nanoscale catalysts and electrocatalytic transformations for CO$_2$ utilization

2021/02/24
Prof. Robert J. Gilliard, Jr. (Department of Chemistry, University of Virginia)
Title: Electronic Tuning in the Main-Group: From Subvalent Organometallics to Novel π-Electron Materials
2019/07/12
*Professor Stephen Westcott, Mount Allison University*
A Life in Boron Chemistry

2019/07/23
*Professor Zhen Liu, Menten Lecturer, School of Chemistry and Chemical Engineering*
Advanced Molecularly Imprinted Materials for Affinity Separation, Disease Diagnosis, Single-Cell Analysis, Bioimaging and Cancer Therapy

2019/07/26
*Professor Uwe Bergmann, Stanford University*
New Science Opportunities at X-ray Free Electron Lasers

2019/08/07
*Professor Ralf Schirrmacher, University of Alberta*
Silicon Fluoride Receptor Radiochemistry: From bench to bedside in 15 years

2019/09/04
*Professor Michael S. Silverstein, Technion, Israel Institute of Technology*
Accessing Innovative Porous Polymers through Emulsion Templating

2019/09/18
*Professor Terry W. Moore, University of Illinois*
Optimization of Isoquinoline-based Activators of the Transcription Factor NRF

2019/10/15
*Professor Daniel A. Foucher, Ryerson University*
Datively Bound Rigid and Flexible Hypercoordinate Polystannanes

2019/10/16
*Professor Aaron S. Rury, Wayne State University*
Hybrid Molecular Platforms for Next Generation Quantum Technologies: A Rhapsody in Spectroscopy

2019/10/18
*Professor Graham K. Murpy, University of Waterloo*
Novel Reactivity Mediated by Hypervalent Iodine(III) Reagents
2019/10/21 & 22
Professor Omar Yaghi, UC Berkeley, Berkeley, CA, 3M Distinguished Lecturer
LECTURE 1 The Chemistry of Metal-Organic Frameworks
LECTURE 2 Extending Organic Chemistry to Infinite 2D and 3D

2019/11/04
Professor Ashlee J. Howarth, Concordia University
Metal-Organic Frameworks for Adsorption and Detoxification of Hazardous Analytes

2019/11/13
Professor Erin R. Johnson, Dalhousie University
Dispersion Interactions in DFT and Application to Molecular Crystal-Structure Prediction

2019/11/18
Professor Elizabeth (Beth) R. Gillies, Chemistry, Western University
Designing Degradable Polymers: Biomedical Applications and Beyond - CRC Vision Talk

2019/11/20
Professor Deryn E. Fogg, University of Ottawa
Frontiers in Catalysis: From Decomposition, Knowledge

2019/11/27
Professor Lyudmila Goncharova, Western Physics & Astronomy
Ion beams as a synthetic tool for nanoelectronics and beyond

2019/11/29
Professor Mary Ryan, Imperial College London
Nanoparticles and the Environment: Friend or Foe?

2019/12/05
Professor Narasi Sridhar, Ohio State University
Localized Corrosion and Stress Corrosion Cracking of Steel in Alkaline Nitrate-Nitrite Solutions - An Old Problem Revisited

2020/01/08
Professor Jeff A. Reimer, University of Berkeley
NMR and the Grand Challenges of Metal-Organic Frameworks

2020/01/29
Professor David C. Schriemer, University of Calgary
Integrative structural biology using mass spectrometry
2020/02/12
Professor Simon Rondeau-Gagné, University of Windsor
New Strategies for the Design of Stretchable Semiconducting π-Conjugated Polymers

2020/02/26
Professor Ian Tonks, University of Minnesota
Ti-Catalyzed Nitrene Transfer Reactions: Harnessing the Ti II/Ti IV Redox Couple for New Transformations

2020/03/06
Professor Ashok K. Kakkar, McGill University
Endogenous Stimuli-Responsive Nanoformulations for Spatial Drug Delivery

2020/03/9
Jian Wang, Editor, M.Sc.
Life Perspectives from a Veteran Synthetic Chemist: Writing Your Research in English

2020/03/11
Professor Jeremy Rawson, University of Windsor, Student Invited Speaker
Radicals: From pancake bonds to multi-functional materials

The following seminars were cancelled due to COVID-19.

2020/03/18  Professor Sanela Martic, Trent University
2020/03/25  Professor Jeremy May, University of Houston
2020/03/31  Professor Zachary Hudson, University of British Columbia
2020/04/01  Professor Rustam Z. Khaliullin, McGill University
2020/04/15  Professor Farshid Ramezanipour, University of Louisville
2020/04/30  Professor Jens Dilling, TRIUMPF
2018-2019

Date - Speaker
2018/09/20 - Professor Scott Hopkins, University of Waterloo
2018/09/28 - Professor Alison Flynn, University of Ottawa
2018/10/03 - Dr. Mathew Willans
2018/10/16 - Professor William R. Smith, University of Guelph
2018/11/02 - Professor Ian Burgess, University of Saskatchewan
2018/11/14 - Professor Jean-Michel Nunzi, Queen's University
2018/11/20 - Professor Leonard R. MacGillivray, University of Iowa
2018/12/05 - Professor Robert G. Kelly, University of Virginia
2018/12/11 - Professor Janine Mauzeroll, McGill University
2018/12/14 - Professor Anne Petitjean, Queen's University
2019/01/16 - Professor Andrew Nelson, Western Anthropology
2019/01/09 - Dr. Styliani Consta
2019/02/06 - Professor Paul Zimmerman, University of Michigan
2019/02/26 - Professor Molly Shoichet, University of Toronto [Student-Nominated Speaker]
2019/03/13 - Professor Joaquín Rodríguez-López, University of Illinois at Urbana-Champaign
2019/03/20 - Professor Sophie Rousseaux, University of Toronto
2019/03/21 - Professor Geraint Williams, College of Engineering, Swansea University
2019/03/27 - Professor Scott Kroeker, University of Manitoba
2019/04/17 - Professor Warren E. Piers, University of Calgary
2019/04/22 - Dr. Camilla Stitt, Imperial College London, Shell-Imperial Advanced Interfacial Science Centre
2019/05/16 - Professor Angela Casani, Cardiff University
2019/05/30 - Professor Don Spratt, Menton Lecture, Clark University
2019/06/10 - Professor Huangxian Ju, Nanjing University
2019/06/13 - Dr. Gregory Wallace [2018 Paul de Mayo Award Winner]
2019/06/14 - Professor Tebello Nyokong, Rhodes University
2019/06/17 - Professor Alex Adronov, McMaster University
2019/06/19 - Professor Renato Zenobi, ETH Zurich, Switzerland
2017-2018

Past Seminars: 2017 - 2018

2017/09/06 - Professor Dongping Zhan, Xiamen University
2017/09/12 - Prof. Sylvain Canesi, Université du Québec à Montréal
2017/09/13 - Dr. Preston Chase, GreenCentre Canada
2017/09/15 - Professor Tong Leung, University of Waterloo
2017/10/04 - Professor Randall S. Dermont, McMaster University
2017/10/18 - Professor Thomas Baumgartner, York University
2017/11/01 - Professor Tim Newhouse, Yale University
2017/11/08 - Professor Zhehong Gan, The National High Magnetic Field laboratory, (MagLab)
2017/11/09 - Professor Charles L.B. MacDonald, University of Windsor
2017/11/14 - Professor Howard Alper, University of Ottawa
2017/11/22 - Professor Philip Britz-Mckibbin, McMaster University
2017/11/29 - Professor Gerhard Erker, Universität Münster - Cancelled due to weather
2017/12/11 - Professor Aaron Rossini, Iowa State University
2017/12/12 - Dr. Ian Coulthard, Canadian Light Source (CLS) [Sponsored by: The Soochow-Western Centre for Synchrotron Radiation Research (SWC) and the Department of Chemistry]

2018/01/10 - Dr. Björn Baumeier, Eindhoven University of Technology, The Netherlands
2018/01/17 - Professor Caleb Martin, Baylor University
2018/01/24 - Professor Cathleen Crudden, Queen's University
2018/02/07 - Professor Ilja Siepmann, University of Minnesota
2018/02/27 - Professor Dr. Alex Speed, Dalhousie University
2018/02/28 - Professor Tamara L. Hendrickson, Wayne State University
2018/03/01 - Professor Tadeja Kosec, Slovenian National Building and Civil Engineering Institute
2018/03/07 - Professor Robert E. Campbell
2018/03/13 - Professor Gerhard Erker, Universität Münster
2018/03/28 - Professor Jochen Autschbach, University at Buffalo, State University of New York
2018/04/04 - Professor Suning Wang, Queen's University
2018/04/11 - Mr. Kevin Seguin, CAS International Representative
2018/05/09 - Professor Nagao Kobayashi, Shinshu University, Ueda 386-8567, Japan
2018/05/23 - Dr. Stephanie Barbon, University of California, Santa Barbara [The 2017 Paul de Mayo Award Winner]
### 2018-2017

<table>
<thead>
<tr>
<th>Dates</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>2018/06/04</td>
<td>Professor Mike Pluth, University of Oregon</td>
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<tr>
<td>2018/06/06</td>
<td>Professor Henrik Otosson, Uppsala University, Sweden</td>
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<tr>
<td>2018/06/14</td>
<td>Dr. Joakim Hallin Stenlid, Stockholm University, Stockholm, Sweden</td>
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<tr>
<td>2018/07/04</td>
<td>Professor Jason L. Dutton, La Trobe University, Melbourne (Bundoora), Australia</td>
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<td>2018/07/19</td>
<td>Professor Jeffrey W. Keillor, University of Ottawa</td>
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<td>2018/07/30</td>
<td>Dr. Robert Matthew Asmussen, Pacific Northwest National Laboratory</td>
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<td>2018/08/02</td>
<td>Professor Ulrich W. Fekl, University of Toronto, Mississauga</td>
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<tr>
<td>2018/08/14</td>
<td>Professor Eric Price, University of Saskatchewan</td>
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#### Dates - Speaker

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<tr>
<th>Dates</th>
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<tr>
<td>2016/07/25</td>
<td>Professor Xiujuan Zhang, FUNSOM, Soochow University, China</td>
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<tr>
<td>2016/08/22</td>
<td>Professor Stefan France, Georgia Institute of Technology</td>
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<td>2016/08/23</td>
<td>Professor Sasha Omanovic, McGill University</td>
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<td>2016/09/06</td>
<td>Professor Louis Barriault, University of Ottawa</td>
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<td>2016/09/06</td>
<td>Professor Yi-Tao Long, East China University of Science and Technology</td>
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<td>2016/09/22</td>
<td>Professor Mats Jonsson, Applied Physical Chemistry, School of Chemical Science and Engineering, KTH Royal Institute of Technology</td>
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<tr>
<td>2016/09/28</td>
<td>Professor Heming He, State Power Investment Central Research Institute, Beijing and Southwest University of Science and Technology, Mianyang</td>
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<td>2016/09/28</td>
<td>Professor Mark S. Taylor, University of Toronto</td>
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<td>2016/10/05</td>
<td>Dr. Mathew Willans, Western Chemistry NMR Facility</td>
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<td>2016/10/24</td>
<td>Professor Jonathan G.C. Veinot, University of Alberta</td>
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<tr>
<td>2016/10/26</td>
<td>Professor Neil Burford, University of Victoria</td>
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<tr>
<td>2016/11/02</td>
<td>Dr. Valérie Gabelica, Inserm/CNRS/Universite de Bordeaux, Institut Européen de Chimie et Biologie, Pessac, France</td>
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<td>2016/11/03</td>
<td>Professor Alex Brown, University of Alberta</td>
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<td>2016/11/09</td>
<td>Professor Dwight Seferos, University of Toronto</td>
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<td>2016/11/23</td>
<td>Professor John D. Brennan, McMaster University</td>
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<tr>
<td>2016/11/29</td>
<td>Professor Blanca Martin Vaca, Université Paul Sabatier and CNRS, Toulouse, France</td>
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<tr>
<td>2016/11/30</td>
<td>Professor Laura B. Sagle, University of Cincinnati</td>
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<tr>
<td>2016/12/09</td>
<td>Professor Martin T. Lemaire, Brock University</td>
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</tbody>
</table>
2016/12/12 - Professor Micheal A. Brook, McMaster University
2016/12/12 - Professor Mahalingam Balasurbramanian
2016/12/14 - Professor Daniel A. Foucher, Ryerson University
2017/01/04 - Professor Dong-Ping Zhan
2017/01/24 - Dr. Floryan Decampo, Solvay Specialty Polymers
2017/02/08 - Professor David A. Kofke, University of Buffalo
2017/02/28 - Professor Steen Brian Schougaard, Universite du Quebec a Montreal
2017/03/08 - Professor Scott Bohle, Mc
2017/03/22 - Professor Dominika Zgid, University of Michigan
2017/03/27 - Professor Connie C. Lu, University of Minnesota
2017/04/05 - Professor Robin Hicks, University of Victoria
2017/04/19 - Professor Jean-Paul Desaulniers, University of Ontario Institute of Technology
2017/05/16 & 2017/05/15 - Professor James M. Mayer, Yale University [The 3M University Lecturer in Chemistry 2017]
2017/05/23 - Professeur Nordin Félidj, Université Paris Diderot
2017/05/24 & 2017/05/23 - Professor Michael Sherburn, Australian National University [2017 Fred Pattison Senior Lecturer]
2017/05/25 - Dr. Pierangelo Gobbo [2016 Paul de Mayo Award Winner]
2017/06/19 - Professor Frieder Jäkle, Rutgers University-Newark