

CURRICULUM VITAE
Prof. Dr. Dr. h.c. TODD B. MARDER, FRSC, MAE

Institut für Anorganische Chemie
Julius-Maximilians-Universität Würzburg
Am Hubland, 97074 Würzburg
Germany
E-mail: todd.marder@uni-wuerzburg.de

University Education

- 1976 B.Sc. Chemistry, Massachusetts Institute of Technology, Cambridge, MA, USA
(with Professor A. Davison, FRS)
- 1981 Ph.D. Inorganic Chemistry, University of California, Los Angeles, CA, USA
(with Professor M.F. Hawthorne)

Employment

- 1981-1983 Postdoctoral Fellow, University of Bristol, School of Chemistry, Bristol, England
(with Professor F.G.A. Stone, FRS, CBE)
- 1983-1985 Visiting Research Scientist, E.I. DuPont DeNemours & Co. Inc., Central Research and
Development Department, Wilmington, Delaware, USA
- 1985-1989 Assistant Professor
1989-1993 Associate Professor (tenured)
1993-1997 Professor (Full)
Inorganic Chemistry, University of Waterloo, Waterloo, Ontario, Canada
Member of the Guelph-Waterloo Centre for Graduate Work in Chemistry
- 1996-1997 Co-Associate Director of the Waterloo Centre for Materials Technology (WATMAT)
1997-2000 Adjunct Professor of Chemistry, University of Waterloo
- 1997-2012 Professor (Chair) of Inorganic Chemistry, University of Durham, England
1998-2003 Head of Inorganic Teaching Section, University of Durham
1999-2000 Head of "Structure, Bonding, Spectroscopy and Theory" Research Grouping, University of
Durham
- 2000-2008 Head of "Structure, Property and Function" Research Grouping, University of Durham
2000-2012 Member of the Centre for Molecular and Nanoscale Electronics, University of Durham
2003-2004 Sir Derman Christopherson Foundation Fellow, University of Durham
2006-2012 Member of the Centre for Bioactive Chemistry, University of Durham
2006-2012 Member of the North East England Stem Cell Institute
2007-2012 Member of the Institute of Human Genetics, Newcastle University, England
- 2012-2023 Professor and Chair I of Inorganic Chemistry, Institute of Inorganic Chemistry, &
Co-Head, Institute for Sustainable Chemistry & Catalysis with Boron
Julius-Maximilians-Universität Würzburg, Germany
Member of the Center for Nanosystems Chemistry
Member of the State Key Laboratory of Supramolecular Photovoltaics and Photocatalysis
Member of the Wilhelm Conrad Röntgen Research Center for Complex Materials Systems
- 2023-2025 Senior Professor, Institute of Inorganic Chemistry, Julius-Maximilians-Universität Würzburg,
Germany
Co-Head, Institute for Sustainable Chemistry & Catalysis with Boron
Associate Member of the Center for Nanosystems Chemistry
Member of the Wilhelm Conrad Röntgen Research Center for Complex Materials Systems

Other Positions Held

- 1987 Visiting Researcher, Inorganic Chemistry Laboratory, Oxford University, England (May)
- 1988 Visiting Researcher, Inorganic Chemistry Laboratory, Oxford University, England (August-September)
- 1991 Visiting Researcher, Department of Chemistry, University of Newcastle upon Tyne, England (April)
- 1992 Visiting Researcher (NSERC/Royal Society UK Bilateral Exchange Grantee), Department of Chemistry, University of Newcastle upon Tyne, England (April-June)
- 1993 Professeur Invité, Laboratoire de Chimie de Coordination Organique, Université de Rennes 1, France (June-July)
- 1995 Visiting Senior Research Fellow, University of Newcastle upon Tyne, England (April-May)
- 1996 Faculty of Science Visiting Fellow, School of Chemistry, University of Bristol, England
- 1996 Visiting Researcher (NSERC/Royal Society UK Bilateral Exchange Grantee), School of Chemistry, University of Bristol; Department of Chemistry, University of Newcastle upon Tyne; and Department of Materials and the Inorganic Chemistry Laboratory, Oxford University, England (May-June)
- 1997 Visiting Professor, Department of Chemistry, University of Newcastle upon Tyne, England (1 March-30 September)
- 2003 Visiting Professor, Department of Chemistry, Hong Kong University of Science and Technology, Kowloon, Hong Kong (3 March – 2 April) – Leverhulme Study Abroad Fellow
- 2004 Leverhulme Study Abroad Fellow, Department of Chemistry, Hong Kong University of Science and Technology, Kowloon, Hong Kong (4 February – 2 March)
- 2004 Visiting Researcher (RSC Journals Grant Awardee), University of Hawaii at Manoa, Honolulu, Hawaii (April)
- 2005 Visiting Researcher, Université de Rennes 1, France (May) - Royal Society-CNRS Joint Project Grant
- 2006 Visiting Researcher, Peking University, Beijing, China and Hong Kong University of Science and Technology, Kowloon, Hong Kong (March-April) – Royal Society Outgoing Short Visit
- 2006 Visiting Researcher, Université de Rennes 1, France (July and November) - Royal Society-CNRS Joint Project Grant
- 2006-2027 Adjunct Professor of Chemistry, Hong Kong University of Science and Technology, Kowloon, Hong Kong (1 July 2006 – 30 June 2024)
- 2007-2012 Honorary Professor, Newcastle University, North-East England Stem Cell Institute, Faculty of Medical Sciences (1 January 2007 – 31 December 2012)
- 2009 Visiting Professor, Hokkaido University, Sapporo, Japan (October)
- 2010 Japan Society for the Promotion of Science JSPS Invitation Fellow (April)
- 2012- Visiting Professor, Northeast Normal University, Changchun, China
- 2012-2026 Honorary Professor of Chemistry, University of Durham, UK
- 2013-2015 Jiangnan Distinguished Professor, Jiangnan University, China
- 2013-2026 Guest Professor, Shandong University, China
- 2014 David Craig Visiting Professor, Research School of Chemistry, Australian National University (November – December)
- 2016 Visiting Professor, Indian Institute of Science, Bangalore, India (October)
- 2019- Consultant Professor, Northwestern Polytechnical University, China
- 2023 Japan Society for the Promotion of Science JSPS Invitation Fellow (March)

Major Fellowships, Honors and Awards

- Elected Member of the Academia Europaea (European Academy of Humanities, Letters, and Science) (2024)
- Japan Society for the Promotion of Science JSPS Invitation Fellowship (2022-2023)
- Elected Fellow of the European Academy of Sciences (EurASc) (June 2019)
- Elected Fellow of the American Association for the Advancement of Science (AAAS) (November 2018)
- Awarded Docteur Honoris Causa, Université de Rennes 1, Rennes, France (April 2018)
- 1000-Foreign Talents Award for Foreign Experts, Selected by the Recruitment Program of 1000-Talents of the Chinese Administration of Foreign Expert Affairs, and offered “National Chair Professorship” at Tongji University under “Recruitment Program of Global Experts” (April 2018) - declined
- Elected Member, Bayerische Akademie der Wissenschaften (Bavarian Academy of Sciences) (2015)
- Royal Society of Chemistry (UK) Organometallic Chemistry Award (2015)
- Royal Society of Chemistry (UK) Rita and John Cornforth Team Award (2012)
- Alexander von Humboldt Foundation Research Award (2010)
- Royal Society (UK) Wolfson Research Merit Award (2010)
- Japan Society for the Promotion of Science JSPS Invitation Fellowship (2010)
- Royal Society of Chemistry (UK) Award in Main Group Element Chemistry (2008)
- Sir Derman Christopherson Foundation Fellowship, University of Durham (2003-4)

- Member, Society of Fellows, University of Durham (since 2003)
- Leverhulme Study Abroad Fellowship – The Leverhulme Trust (2003-4)
- Invited Lecture Tour, Foreign Researcher Invitation Program, Science and Technology Agency, Japan (1998)
- Elected Fellow of the Royal Society of Chemistry (FRSC) (1997)
- Rutherford Memorial Medal for Chemistry, The Royal Society of Canada (1995)
- University of California, Regents Intern Fellowship (1976-1980)
- New York State Regents Fellowship (1972) – declined

Membership in Professional Organizations

- Elected Member of the Bayerische Akademie der Wissenschaften (Bavarian Academy of Sciences)
- Elected Member of the Academia Europaea (European Academy of Humanities, Letters, and Science)
- Fellow of the Royal Society of Chemistry, UK (CChem, FRSC)
- Fellow of the European Academy of Sciences (EurASc)
- Fellow of the American Association for the Advancement of Science
- Member of the Gesellschaft Deutscher Chemiker (The Germany Chemical Society – GDCh)
- Member of the American Chemical Society (Inorganic and Organic Divisions)

Previous Memberships in Professional Organizations

- Canadian Society of Chemistry/Chemical Institute of Canada
- Sigma Xi, The Scientific Research Society
- New York Academy of Sciences
- British Liquid Crystal Society
- British Crystallographic Association

Publications 451; Patents 7 applied (2 granted thus far); Web of Science 05.03.2025: h-Index 103; Citations 35,733 (non-self citations 31,840), 106 papers with 100 or more citations each, 145 papers with 75 or more citations, 198 papers with 50 or more citations each. Google Scholar: h-Index 105; 38,455 citations. 445 invited lectures presented at conferences, universities, government, and industrial research facilities worldwide.

My work has been highlighted, for example, in an Author Profile in *Angew. Chem. Int. Ed.* 2015, 54, 2882 (DOI: 10.1002/anie.201409785), *Angew. Chem.* 2015, 127, 2924 (DOI: 10.1002/ange.201409785), in a JACS Spotlight: *J. Am. Chem. Soc.* 2020, 142, 18733-18734 DOI: 10.1021/jacs.0c11191, in a Movers & Shakers biographical article in *The Catalyst Review* 2017, 30, 18 (a publication for the chemical industry), in *Chemistry Views* (Wiley), in *Nachrichten aus der Chemie*, many times in *Synfacts* and on the Organic Chemistry Portal, both of which highlight significant recent advances in organic chemistry, and in notices of awards received in *RSC News* and *Angew. Chem. Int. Ed.*, etc.

Over 45 former co-workers hold or have held academic positions around the world.

PROFESSIONAL ACTIVITIES

Editorial Boards

- Member of the Advisory Board of the “Chinese Journal of Chemistry” (Wiley) (March 2018 -)
- Member of the Advisory Board of “Inorganica Chimica Acta” (December 2010 -)
- Member of the Advisory Board of “Applied Organometallic Chemistry” (2010 -)
- Member of the Editorial Board of “Chemistry Central Journal”(now “BMC Chemistry”) (2006 -)
- Member of the International Editorial Advisory Board of “Organometallics” (January 2006 - December 2008)
- Member of the Editorial Board of the “Canadian Journal of Chemistry ” (January 2005 - December 2008)
- Member of the Editorial Board of “Journal of Organometallic Chemistry” (January 2003 -)
- Member of the Editorial Board of “Polyhedron” (January 2002 - December 2004)
- Member of the Advisory Board of “Inorganic Chemistry” (January 1999 - December 2000)
- Member of the Editorial Board of “Crystal Engineering” (1997 - 2003)

Books and Journal Issues Edited: see end of publication list

International Program Coordination / Leadership

Durham Leader, Durham University (UK) – Université de Rennes 1 (France) CNRS PICS (International Program for Scientific Cooperation) (2009 - 2010)

Durham Leader, Durham University (UK) – Université de Rennes 1 (France) CNRS LEA (European Associated Laboratory) (2011)

External Examining of Chemistry Teaching Programs

- External Examiner in Inorganic Chemistry, University of Edinburgh (1999-2002)
- External Examiner for Integrated Master's, Master of Chemistry, University of East Anglia (2007-2010)
- External Examiner for Department of Chemistry, Sultan Qaboos University, Oman (2008, 2009)

Refereeing/Reviewing

- I routinely referee manuscripts for the following journals: Journal of the American Chemical Society, ACS Catalysis, Organometallics, Inorganic Chemistry, Journal of Organic Chemistry, Organic Letters, Angewandte Chemie, Chemistry - A European Journal, Chemical Science, Chemical Communications, Dalton Transactions, and less frequently for other journals including Science and Nature, and have written several highlight or similar articles for Science, Nature Chemistry, and Angewandte Chemie at the request of their editors.

- I serve as a reviewer for a variety of grant proposals for the DFG, Alexander von Humboldt Foundation, ERC, EPSRC (UK), NSERC (Canada), NSF (USA), ACS/PRF (USA), Research Corporation (USA), Fonds FCAR (Québec, Canada), the Canadian Foundation for Innovation, the Hong Kong Research Grants Council, and the Australian Research Council, and have reviewed proposals for agencies in several other countries on an occasional basis.

- I have served as a referee for promotion and tenure decisions at universities on 5 continents. I typically receive ca. 4 or 5 papers/grants per week to referee.

Engineering and Physical Sciences Research Council (EPSRC)

- Member of the EPSRC Peer Review College (1 January 2003 -)

Consulting and Related Activities

- Scientific Advisor, ReInnervate Ltd. (2006 - 2011)
- Member of the Industrial Advisory Board for Molecular Engineering, Newcastle University (2005 - 2011)

Gesellschaft Deutscher Chemiker (GDCh)

- Member of the Todd-Krebs-Namensvorlesung Award Committee (2018 - 2023)

Royal Society of Chemistry

- Chair of the RSC Organometallic Chemistry Award sub-committee (2017 - 2020)
- Member of the Dalton (Inorganic) Division Council (July 2000 - June 2003)

Canadian Society for Chemistry

- Member of the Nominating Committee of the CSC Division of Inorganic Chemistry (1996 - 1999)
- Member of the Selection Committee for the 1998 CSC Award for Pure or Applied Inorganic Chemistry (1997)
- Symposium organiser: CSC Annual Conference 1997, and Canadian organiser for symposia in Mexico and Hawaii (see below)

Symposia and Conferences

- Member of the International Scientific Committee, IMEBORON Conferences.
- Member of the International Organising Committee, Euroboron Conferences.
- Member of the Scientific Committee and Session Chairman, 6th International Caparica Conference on Chromogenic and Emissive Materials, (IC3EM), Caparica, Portugal, July 2024.
- Organizer, Boron Mini-Symposium, Universität Würzburg, 24 June 2024.

- Co-organizer, Universität Würzburg Virtual Chemistry Course “Developments in Boron Chemistry: from Fundamental Studies to Applications,” September 27 - October 1, 2021.
- Member of the Academic Committee, 2nd International Conference on Boron Chemistry (ICBC-II), Taiyuan, Shanxi, China, July 2019.
- Member of the Scientific Committee, 3rd International Caparica Conference on Chromogenic and Emissive Materials, (IC3EM), Caparica, Portugal, September 2018.
- Session Chairman: 16th International Meeting on Boron Chemistry (IMEBORON 16), Hong Kong, China, July 2017.
- Session Chairman: 1st International Conference on Phosphorus, Boron and Silicon (PBSi 2017), Paris, France, July 2017.
- Organizer, symposium on “Novel Molecular and Supramolecular Theory and Synthesis Approaches for Sustainable Catalysis” within the program on 'Green Chemistry for World Needs' at the 45th IUPAC World Chemistry Congress, Busan, Korea, August 9-14, 2015.
- Session Chairman: 5th Asian Conference on Coordination Chemistry (ACCC5), Hong Kong, July 2015.
- Judge, poster and oral presentations of pre-university student research projects, 15th Asian Chemical Congress (15 ACC), Singapore, August 19-23, 2013.
- Organiser, First Research Councils UK (RCUK) UK-China Workshop on “Metals in Organic Synthesis: Towards Cleaner, Greener Chemical Processes,” held at Peking University, Beijing, China, January 9-13, 2011.
- Session Chairman, PACIFICHEM 2010, Symposium on “Organoboron, Organosilicon and Organophosphorus as Optoelectronic and Energy-related Materials,” Honolulu, Hawaii, December 2010.
- Chairman, Scientific Committee, RSC Dalton Discussion 12 Conference on “Catalytic C-H and C-X Bond Activation,” Durham, September 13-15, 2010.
- Session Chairman, Inaugural (1st) International Conference on Molecular and Functional Catalysis, Singapore, July 2010.
- Session Chairman: 23rd International Conference on Organometallic Chemistry (ICOMC), Rennes, France, July 2008.
- Session Chairman: Co-Reach Conference (Co-ordination of Research between the EU and China), The Royal Society, London, June 2007.
- Session Chairman: Symposium on "Recent Developments in Organoboron and Organosilicon Chemistry" for the 5th International Congress of the Pacific Basin Societies, Honolulu, Hawaii, December 2005.
- Co-organiser, Second Durham One-day Symposium on “Synthesis and Applications of Organoboronates,” May 10, 2004.
- Discussion Leader, Royal Society of Chemistry, Dalton Discussion 6, “Organometallic Chemistry and Catalysis,” York University, UK, September 9-11, 2003.
- Member of the Organising Committee, session chairman, and poster judge: 8th International Conference on the Chemistry of the Platinum Group Metals, University of Southampton, July 7-12, 2002.
- Co-organiser, First Durham One-day Symposium on “Synthesis and Applications of Organoboronates,” May 2002.
- Member of the Scientific Committee: 16th International Symposium on Fluorine Chemistry, University of Durham, July 2000.
- Session Chairman, 34th International Conference on Coordination Chemistry, Edinburgh, July 2000.

- Co-organiser, Member of Local Organising Committee, Fund-raiser, and Session Chairman: Tenth International Conference on Boron Chemistry (IMEBORON X), University of Durham, July 11-15, 1999.
- Co-editor, "Contemporary Boron Chemistry", book of proceedings from the IMEBORON X conference, published by the Royal Society of Chemistry, 2000.
- Canadian Organiser, Fund-raiser, and Session Chairman: Symposium on "Transition Metal Group 13 Compounds Including Their Roles in Catalytic Processes" Fifth Chemical Congress of North America, Cancun, Mexico, November 11-15, 1997.
- Organizer: Symposium on "Catalysis in Organometallic Chemistry: Models, Mechanisms and Applications" 80th National Meeting of the Canadian Society for Chemistry, Windsor, Ontario, June 1997.
- Canadian Organiser and Session Chairman: Symposium on "Metal Complexes of Carbon: The Coordination Chemistry of C_x Ligands" for the 3rd International Congress of the Pacific Basin Societies, Honolulu, Hawaii, December 1995.
- Co-organiser and Fund-raiser: 26th Inorganic Discussion Weekend held at the University of Guelph, Guelph, Ontario, November 1993. Attendance was *ca.* 160.
- Co-organizer, Fund-raiser, and Session Chairman: 23rd Inorganic Discussion Weekend held at the University of Waterloo, November 1990. Attendance was *ca.* 150.
- Session Chairman: 11th Canadian Symposium on Catalysis/73rd National Meeting of the Canadian Society for Chemistry, Halifax, N.S., July 1990.
- Session Chairman: Inorganic Division, Third Chemical Congress of North America (joint meeting of the Canadian, American, and Mexican Chemical Societies), Toronto, Ontario, June 1988.

External Thesis Examining (does not include internal examining of M.Sc. and Ph.D. theses at Universities of Waterloo and Guelph: Guelph-Waterloo Centre for Graduate Work in Chemistry, Durham University, or the Universität Würzburg)

- External Examiner on Ph.D. Thesis of Dr. L. Chen (student of Prof. Anthony J. Poe), Department of Chemistry, University of Toronto, Toronto, Ontario, Canada, July 1991.
- External Examiner on Ph.D. Thesis of Dr. J.E. Polowin (student of Prof. Michael C. Baird), Department of Chemistry, Queen's University, Kingston, Ontario, Canada, December 1993.
- External Examiner on Ph.D. Thesis of Dr. H. Noglik (student of Prof. William Pietro), Department of Chemistry, University of York, York, Ontario, Canada, August 1995.
- External Examiner on Ph.D. Thesis of Dr. J.M. Nelson (student of Prof. Ian Manners), Department of Chemistry, University of Toronto, Toronto, Ontario, Canada, September 1995.
- External Examiner on Ph.D. Thesis of Dr. Daniel White (student of Prof. David J. Cole-Hamilton), Department of Chemistry, University of St. Andrews, St. Andrews, Scotland, September 2001.
- External Examiner on Ph.D. Thesis of Dr. Jordi Llop i Roig (student of Profs. Francesc Teixidor i Bombardo and Lluís Victori i Companys), Institut Químic de Sarrià, Universitat Ramon Llull, Barcelona, Spain, February 2002.
- External Examiner on Ph.D. Thesis of Dr. Ruiping Wang (student of Prof. Davit Zargarian), Department of Chemistry, University of Montreal, Montreal, Canada, January 2003.
- External Examiner on Ph.D. Thesis of Dr. Sebastien Lachaize (student of Dr. Sylviane Sabo-Etienne), L'Université Paul Sabatier De Toulouse, Toulouse, France, September 2004.
- External Examiner on Ph.D. Thesis of Dr. Michael Ingleson (student of Prof. Andrew Weller), University of Bath, Bath, England, September 2004.

- External Examiner on Ph.D. Thesis of Dr. Andrea Rossin (student of Dr. Simon Aldridge), University of Cardiff, Cardiff, Wales, September 2004.
- External Examiner on Ph.D. Thesis of Dr. Jeroen Sprenger (student of Prof. Kees Elsevier), University of Amsterdam, Amsterdam, The Netherlands, March 2005.
- External Examiner on Ph.D. Thesis of Dr. Suk-Yue Poon (student of Prof. Wai-Yeung Wong), Hong Kong Baptist University, Hong Kong, PR China, August 2005.
- External Examiner on Ph.D. Thesis of Dr. Sarah Rumble (student of Prof. Barbara Messerle), University of New South Wales, Sydney, Australia, January 2006.
- External Examiner on Ph.D. Thesis of Dr. Giovanni D'Andola (student of Prof. Holger Braunschweig and Prof. Tom Welton), Imperial College of Science, Technology and Medicine, London, May 2006.
- External Examiner on Ph.D. Thesis of Dr. Sara Sebelius (student of Prof. Kalman J. Szabo), Stockholm University, Sweden, August 2006.
- External Examiner on Ph.D. Thesis of Dr. Pablo García-Álvarez (student of Prof. Javier Cabeza), University of Oviedo, Spain, December 2006.
- External Examiner on Ph.D. Thesis of Dr. Danielle F. Kennedy (student of Prof. Barbara Messerle), University of New South Wales, Sydney, Australia, September 2007.
- External Examiner on Ph.D. Thesis of Dr. Ciara Pollock (student of Drs. Graham Saunders and Andrew C. Marr), Queen's University Belfast, Northern Ireland, April 2008.
- External Examiner on Ph.D. Thesis of Dr. Greg Welch (student of Prof. Doug Stephan), University of Windsor, Ontario, Canada, August 2008.
- External Examiner on Ph.D. Thesis of Dr. Ana Catarina Gomes (student of Prof. Simon Duckett), University of York, UK, November 2009.
- External Examiner on Ph.D. Thesis of Dr. Kay Green (student of Prof. Mark Humphrey), Australian National University, Australia, March 2010.
- External Examiner on Ph.D. Thesis of Dr. Christian Parker (student of Prof. Michael Bruce), University of Adelaide, Australia, April 2010.
- External Examiner on Ph.D. Thesis of Dr. Hakikulla H. Shah (student of Prof. Muhammad Khan), Sultan Qaboos University, Oman, December 2013.
- External Examiner on Ph.D. Thesis of Dr. Christian Reus (student of Prof. Matthias Wagner), Göthe Universität, Frankfurt, Germany, August 2014.
- External Examiner on Ph.D. Thesis of Dr. Valentine Charra (student of Prof. Pierre Braunstein), University of Strasbourg, France, September 2014.
- External Examiner on Ph.D. Thesis of Dr. Nicolas Ripoche (cotutelle student of Prof. Mark Humphrey, Australian National University, Canberra, Australia, and Prof. Frederic Paul, Université de Rennes 1, Rennes, France), November 2014.
- External Examiner on Ph.D. Thesis of Dr. Sandra Wei San Choi (student of Prof. Barbara Messerle), University of New South Wales, Australia, December 2015.
- External Examiner on Ph.D. Thesis of Dr. Kaai Tung Chan (student of Prof. Chi Ming Che), University of Hong Kong, May 2016.
- External Examiner and President of the Examining Committee on Ph.D. Thesis of Dr. Jamal Wawi (Student of Prof. Anne-Cécile Ribou), University of Perpignan, France, March 2021.

- External Examiner on Ph.D. Thesis of Melanie Dreano (cotutelle student of Prof. Mark Humphrey, Australian National University, Canberra, Australia, and Prof. Frederic Paul, Université de Rennes 1, Rennes, France), February 2023.

- External examiner on Ph.D. Thesis of Luigi Meduti (joint Ph.D. student of Prof. Emanuela Licandro, Università Degli Studi di Milano, Milan, Italy, and Prof. Matthias Wagner, Goethe Universität Frankfurt), April 2023.

- External examiner on Ph.D. Thesis of Rian Kirk (Ph.D. student of Prof. Anthony Hill), Australian National University), May 2023.

- External examiner on Ph.D. Thesis of Ruben Arturo Arellano Reyes (Ph.D. student of Prof. Tia Keyes), Dublin City University), May 2024.

DEPARTMENTAL AND UNIVERSITY SERVICE: UNIVERSITY OF WATERLOO

Co-Associate Director, Waterloo Centre for Materials Technology

Chairman, Department of Chemistry Safety Committee

Member, Department of Chemistry Executive Committee

Member, Department of Chemistry Awards Committee

Member, Department of Chemistry NMR Users Committee

Member, Department of Chemistry Computer Users Committee

I served as a Department of Chemistry Representative to the Faculty of Science Promotion and Tenure Committee

DEPARTMENTAL AND UNIVERSITY SERVICE: UNIVERSITY OF DURHAM

Member of the Board of Studies of the Department of Chemistry (1997-2012)

Head of Inorganic Teaching Section of the Department of Chemistry (1998-2003)

Head of "Structure, Bonding, Spectroscopy and Theory" Research Grouping, Department of Chemistry (1999-2000)

Head of "Structure, Property and Function" Research Grouping, Department of Chemistry (2000-2009)

Member of the Chairman's Management Advisory Committee of the Department of Chemistry (1998-2003)

International Ambassador, Department of Chemistry (2010-2012)

Member of the Graduate Studies Committee of the Department of Chemistry (1998-2002)

Member of the Appointing Committee for Inorganic Lectureships (1998)

Member of the Appointing Committee for Inorganic Lectureship/Senior Lectureship (1999)

Member of the Appointing Committee for Inorganic Lectureship (2003)

Member of the Appointing Committee for Inorganic Readership (2003)

Core Chemistry 2 - Module Consultant (1998-1999)

Year 4 Topics in Inorganic, Organic and Physical Chemistry - Module Leader (1999-2000)

Year 4 Contemporary Topics in Chemistry - Module Leader (2000-2002)

Year 4 Core Chemistry - Module Leader (2004-2012)

Acting Head of Department (brief periods in 1999, 2000, 2005, 2006, 2008, etc.)

Member of the Board of the Faculty of Science (1997-2012)

Executive Board for the UDIREL - University of Durham Industrial Research Laboratories (1999-2001)

HIGH SCHOOL OUTREACH

Parent Governor and Subject Governor for Science, Board of Governors, Durham Johnston Comprehensive School, Durham, UK (October 2004 – October 2008)

UNIVERSITY SERVICE: UNIVERSITÄT WÜRZBURG

Co-Head, Institute for Sustainable Chemistry & Catalysis with Boron

Former Member, Kommission für Forschungsangelegenheiten (University Commission for Research Affairs)

Former Member, Internationalisierungskommission (University Commission for Internationalization)

Member, Principal Investigator, and Member of the Promotionskommission of the Graduate School of Science and Technology (GSST)

Papers Published

451. A. Friedrich, L. Schraut-May, F. Rauch, P. Durand, J. Krebs, P.N. Ruth, S. Hammer, R. Bertermann, M. Finze, S.J. Clark, J. Pflaum, N. Leclerc, and T.B. Marder, "Synthesis, crystal growth, structure and photophysical properties of decafluoroanthracene and its co-crystals with polycyclic arenes," *Org. Chem. Front.*, **12**: 736-753 (2025). DOI: 10.1039/D4Q001825G. **Invited Paper** for Themes Collection: Celebrating the 60th birthday of Professor Frank Würthner.
450. Y. Zhang, A. Matler, J. Krebs, I. Krummenacher, Q. Ye,^b H. Braunschweig, T.B. Marder, L. Ji, "Emission-Tunable B←N Lewis Pair-Functionalized Naphthalenes," *Chem. Eur. J.* **30**: e202403973 (2024). DOI: 10.1002/chem.202403973.
449. Z. Wu, C. Herok, A. Friedrich, B. Engels, T.B. Marder, and Z.M. Hudson, "Impurities in Arylboronic Esters Induce Persistent Afterglow," *J. Am. Chem. Soc.*, **146**: 31507-31517 (2024). DOI: 10.1021/jacs.4c08329.
448. V. Merz, J. Merz, T.B. Marder, and A. Krueger, "Pyrene-based luminescent "turn-off" chemosensor on a detonation nanodiamond platform for sensing in saline aqueous environments," *Diamond & Related Materials*, **149**: 111658 (2024). DOI: [10.1016/j.diamond.2024.111658](https://doi.org/10.1016/j.diamond.2024.111658).
447. Z. Guo, Y. Wang, J. Heitmüller, C. Sieck, A. Prüfer, P. Ralle, A. Steffen, P. Henke, P.R. Ogilby, T.B. Marder, X. Ma, and T. Brixner, "Ultrafast Photophysics of *para*-Substituted 2,5-Bis(arylethynyl) Rhodacyclopentadienes: Thermally Activated Intersystem Crossing," *Chem. Sci.*, **15**: 14746-14756 (2024). DOI: 10.1039/d4sc04306e.
446. H. Zacharias, A. Begum, J. Han, T.A. Bartholome, T.B. Marder, and C.D. Martin, "Synthesis of Phenanthrylboroles and Formal Nitrene Insertion to Access Azaborapyrenes," *Chem. Commun.*, **60**: 8740-8743 (2024). DOI: 10.1039/d4cc02863e.
445. M. Huang, H. Sun, F. Seufert, A. Friedrich, T.B. Marder, and J. Hu, "Photoredox/Cu-Catalyzed Decarboxylative C(sp³)-C(sp³) Coupling to Access C(sp³)-Rich *gem*-Diborylalkanes," *Angew. Chem. Int. Ed.*, **63**: e202401782 (2024). DOI: 10.1002/anie.202401782. *Angew. Chem.*, **136**: e202401782 (2024). DOI: 10.1002/ange.202401782.
444. J. Krebs, L. Brändler, I. Krummenacher, A. Friedrich, H. Braunschweig, M. Finze, B.F.E. Curchod, and T.B. Marder, "Synthesis, Photophysical and Electronic Properties of a D- π -A Julolidine-like Pyrenyl-*o*-Carborane," *Chem. Eur. J.*, **30**: e202401704 (2024). DOI: 10.1002/chem.202401704.
443. W. Li, R. Ricker, K.L. Chan, P.F. Lau, N.W. Buchbinder, J. Krebs, A. Friedrich, Z. Lin, W.L. Santos, U. Radius, and T.B. Marder, "Phosphine-catalyzed 1,2-*cis*-diboration of 1,3-butadiynes," *Chem. Eur. J.*, **30**: e202401235 (2024). DOI: 10.1002/chem.202401235.
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- intersystem crossing," *Appl. Phys. Express (APEX)*, **17**: 041003 (2024). DOI: 10.35848/1882-0786/ad392a. **Selected as a 'Spotlights' article.**
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1. T.B. Marder, "Diborane(4) Compounds," in Science of Synthesis, Houben-Weyl Methods of Molecular Transformations, Volume 6 - Boron Compounds, D. Kaufmann and D.S. Matteson, eds., Chapter 6.1.3, pp. 117-137, Georg Thieme Verlag, Stuttgart, 2004.

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Other Invited Papers

1. T.B. Marder, "Molecular Materials for Nonlinear Optics," *Canadian Chemical News*, **44**: No. 10 (Nov./Dec.), 22-23 (1992).

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Books Edited

2. T.B. Marder and Z. Lin (Eds.), "Contemporary Metal Boron Chemistry I: Borylenes, Boryls, Borane Sigma-Complexes, and Borohydrides," Structure and Bonding, Volume 130, Springer, Heidelberg, May 2008 (218 pages).
1. M.G. Davidson, A.K. Hughes, T.B. Marder, and K. Wade (Eds.), "Contemporary Boron Chemistry," Spec. Publ. No. 253, The Royal Society of Chemistry, Cambridge, 2000.

Journal Issues Edited

3. T.B. Marder, P.W. Dyer, I.J.S. Fairlamb, S. Gibson, P. Scott, "Dalton Discussion 12: Catalytic C-H and C-X Bond Activation (DD12)," *Dalton Trans.*, **39**: 10335-10337 (2010), editorial introduction to Dalton Transactions themed issue 43, pages 10321-10540.

2. T.B. Marder (Guest Editor), Dalton Transactions, 2008: "Collection of articles dedicated to Professor Ken Wade, F.R.S. in celebration of his seventy-fifth birthday."
1. T.B. Marder, Editorial for special issue of Journal of Organometallic Chemistry: "Frontiers in Boron Chemistry, Dedicated to Professor M. Frederick Hawthorne in Celebration of his 75th Birthday," *J. Organometal. Chem.*, **680**: 1-2 (2003).

Patents: 7 applications submitted, 1 granted thus far, 6 pending

1. Stefan Przyborski, Andrew Whiting, Todd Marder, "Retinoid compounds and their use", CA2662218 A1, PCT/GB2007/003237, Mar. 6, 2008, Pending
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INVITED LECTURES AT CONFERENCES

101. T.B. Marder, “Boron-Containing Optical Materials,” Boron in the Americas (Boram), UCLA, Los Angeles, CA, December 2024. (presented by zoom).
100. T.B. Marder, “Boron-containing Optical Materials,” Plenary Lecture, 6th-International Caparica Conference on Chromogenic and Emissive Materials (IC3EM-2020), Costa de Caparica, Portugal, July 2024.
99. T.B. Marder, “Metal-Catalyzed and Metal-Free Borylation – Synthesis of Boronate Esters,” International Conference on ‘Emerging Trends in Catalysis & Synthesis 2024’ Indian Institute of Technology Kharagpur, India, March 2024 (not presented due to technical difficulties at Kharagpur during zoom).
98. T.B. Marder, “3-Coordinate Organoboron Compounds Light the Way: Synthesis, Optical Properties and Cell Imaging,” International Meeting on Boron Chemistry (IMEBORON), Rennes, France, July 2023.
97. T.B. Marder, “Transition Metal Catalyzed Borylation of C-H and C-X Bonds: Synthesis of Aryl and Alkyl Boronates and Related Processes,” Plenary Lecture, International Symposium on Homogeneous Catalysis (ISHC), Lisbon, Portugal, July 2020. (presented by my AvH Postdoctoral Fellow Dr. Xiaolei Zhang on my behalf).
96. T.B. Marder, “3-Coordinate Organoboron Compounds Light the Way: Synthesis, Optical Properties and Cell Imaging,” Keynote Lecture, 9th European Conference on Boron Chemistry (EUROBORON9), Barcelona, Spain, July 2022. (presented by zoom).
95. T.B. Marder, “In Memory of Prof. Dr. Stephen A. Westcott,” Special Lecture, Boron in the Americas (Boram), Virginia Tech, Blacksburg, VA, USA, June 2022. (presented by zoom).
94. T.B. Marder, “Understanding the publication process: Role of reviewers and author’s responsibilities,” Workshop on “Understanding the Publication Process,” Sokoto State University, Sokoto, Nigeria, November 2021. (presented by zoom)
93. T.B. Marder, “Transition Metal-Catalyzed Borylation of C-H and C-X Bonds: Synthesis of Aryl and Alkyl Boronates,” Plenary Lecture, 5th International Seminar on Chemistry – Universitas Padjadjaran, Indonesia, October 2021. (presented by zoom)
92. T.B. Marder, “Adventures with 1 to 21 Borons: Catalytic Borylation, Triarylboranes, Carboranes, Optical and Electronic Properties and Applications in Devices and Cell Imaging,” Plenary Lecture, 3rd Chinese Chemical Society Conference on Boron Science (CCS-CBS), Suzhou, China, October 2021. (presented by TEAMS)

91. T.B. Marder, “3-Coordinate Organoboron Compounds Light the Way: Synthesis, Optical Properties and Applications,” Symposium Celebrating the Life of Suning Wang, IUPAC / Canadian Chemistry Conference and Exhibition, Montreal, Canada, August 2021. (presented by zoom)
90. T.B. Marder, “3-Coordinate Organoboron Compounds Light the Way: Synthesis, Optical Properties and Cell Imaging,” Keynote Lecture, Vebleo Webinar on Materials Science, Engineering and Technology, February 2021. (presented by zoom)
89. T.B. Marder, “3-Coordinate Organoboron Compounds Light the Way: Synthesis, Optical Properties and Cell Imaging,” Plenary Lecture, 5th International Conference on Recent Advances in Material Chemistry, Department of Chemistry, SRM IST, Kattankulathur, India, February 2021. (presented by zoom)
88. T.B. Marder, “3-Coordinate Organoboron Compounds Light the Way: Optical Properties, Cell Imaging, and Binding to DNA, RNA and Proteins” Keynote Lecture, 4th-International Caparica Conference on Chromogenic and Emissive Materials (IC3EM-2020), Costa de Caparica, Portugal, November 2020. (presented by zoom).
87. T.B. Marder, “Transition Metal Catalyzed Borylation of C-H and C-X Bonds: Synthesis of Aryl and Alkyl Boronates,” Virtual Organic and Medicinal Chemistry Symposium 2020, Lahore University of Management Science (LUMS), Lahore, Pakistan, September 2020. (presented by zoom).
86. T.B. Marder, “3-Coordinate Boron Compounds Light the Way: Synthesis, Optical Properties and Cell Imaging,” Keynote Lecture, Second International Conference on Boron Chemistry (ICBC-II) sponsored by the Chinese Chemical Society, Taiyuan, Shanxi, China, July 2019.
85. T.B. Marder, “3-Coordinate Boron Compounds Light the Way: Synthesis, Optical and Electronic Properties - C-H Borylation: Synthesis of Symmetric and Unsymmetric Pyrenes and Perylenes and their Photophysical and Redox Properties,” Keynote Lecture, International Symposium on Organoboron Polymers (ISOP-2019), Changchun Institute of Applied Chemistry, Chinese Academy of Science, Changchun, China, July 2019.
84. T.B. Marder, “Transition Metal Catalyzed Borylation of C-H and C-X Bonds: Synthesis of Aryl and Alkyl Boronates,” Symposium on “Main Group Molecules: From Reagents to Catalysts,” 102nd Canadian Society for Chemistry Conference, Quebec City, Canada, June 2019.
83. T.B. Marder, “Transition Metal Catalyzed Borylation of C-H and C-X Bonds: Synthesis of Aryl and Alkyl Boronates - Rhodacycles Formed via Unusual Diyne Couplings: Applications in Photocatalytic C-F Bond Borylation,” International Conference on Organometallics and Catalysis, Goa, India, December 2018.
82. T.B. Marder, “Transition Metal Catalyzed Borylation of C-H and C-X Bonds: Synthesis of Aryl and Alkyl Boronates,” Pre-conference Symposium, IIT Bombay, Mumbai, India, December 2018.

81. T.B. Marder, “Synthesis, Photophysical Properties and Applications of Rhodacycles Formed via Unusual Diyne Couplings,” Plenary Lecture, 3rd-International Caparica Conference on Chromogenic and Emissive Materials (IC3EM-2018), Costa de Caparica, Portugal, September 2018.
80. T.B. Marder, “Synthesis, Photophysical Properties and Applications of Rhodacycles Formed via Unusual Diyne Couplings,” French-English-Australian Symposium, Molecular Electronics and Photonics (MEP 2018), Rennes, France, July 2018.
79. T.B. Marder, “Borylation of C-H and C-X Bonds: Synthesis of Aryl and Alkyl Boronates,” Keynote Lecture, 16th International Meeting on Boron Chemistry (IMEBORON 16), Hong Kong, China, July 2017.
78. T.B. Marder, “Synthesis, Linear and Nonlinear Optical Properties and Applications of New 3-Coordinate Organoboron Compounds,” Plenary Lecture, 1st International Conference on Phosphorus, Boron and Silicon (PBSi 2017), Paris, France, July 2017.
77. T.B. Marder, “Synthesis, Linear and Nonlinear Optical Properties and Applications of New 3-Coordinate Organoboron Compounds,” Keynote Lecture, 2nd-International Caparica Conference on Chromogenic and Emissive Materials (IC3EM-2016), Costa de Caparica, Portugal, September 2016.
76. T.B. Marder, “Ruthenium-Promoted Reduction of CO to Tetraborylmethane and Hexaborylethane and NHC-Mediated Cleavage of B-B Bonds,” Boron in the Americas (Boram XV), Kingston, Ontario, Canada, June 2016.
75. T.B. Marder, “Building Bridges: International Co-operations in Chemistry for Young and Old,” Sino-German Symposium on Main Group Chemistry, Beijing, China, April 2016.
74. T.B. Marder, “Boron in Catalysis and Materials Chemistry,” Sino-German Symposium on Main Group Chemistry, Beijing, China, April 2016.
73. T.B. Marder, “Synthesis and Photophysical Properties Rhodacycles Formed via Unusual Diyne Couplings,” Plenary Lecture (RSC Award Lecture), Dalton 2016, Warwick, UK, March 2016.
72. T.B. Marder, “Novel Rhodacyclopentadienes – A New Class of Luminescent Organometallics,” PACIFICHEM 2015, Symposium on “Metal-containing π -Conjugated Systems: Syntheses, Properties, Applications,” Honolulu, Hawaii, December 2015.
71. T.B. Marder, “Synthesis and Optical Properties of 3-Coordinate Organoboron Compounds,” PACIFICHEM 2015, Symposium on “Organo-Main Group Avenues toward Advanced Materials,” Honolulu, Hawaii, December 2015.
70. T.B. Marder, “Synthesis and Optical Properties of 3-Coordinate Organoboron Compounds,” Workshop on “Optically-Active Molecules OptMol 2015: Design of Molecular Assemblies with Specific Linear and Nonlinear Absorption and Emission Properties,” Rennes, France, November 2015.

69. T.B. Marder, “Building Bridges: International Co-operations in Chemistry for Young and Old,” PhosAgro/UNESCO/IUPAC symposium on “Prospects for international co-operation in green chemistry II” within the program on 'Green Chemistry for World Needs' at the 45th IUPAC World Chemistry Congress, Busan, Korea, August 2015.
68. T.B. Marder, “Earth Abundant Metals for the Catalytic Borylation of C-X and Even C-H Bonds: Synthesis of Aryl and Alkyl Boronates,” symposium on “Novel Molecular and Supramolecular Theory and Synthesis Approaches for Sustainable Catalysis” within the program on 'Green Chemistry for World Needs' at the 45th IUPAC World Chemistry Congress, Busan, Korea, August 2015.
67. T.B. Marder, “Diethynylmetallacyclopentadienes – A New Class of Luminescent Organometallics,” 5th Asian Conference of Coordination Chemistry (ACCC5), Hong Kong, July 2015.
66. T.B. Marder, “Old and New Metals for the Catalytic Borylation of C-H and C-X Bonds: Synthesis of Aryl and Alkyl Boronates,” Plenary Lecture, 18th IUPAC International Symposium on Organometallic Chemistry Directed Towards Organic Synthesis (OMCOS 18), Sitges-Barcelona, Spain, June 2015.
65. T.B. Marder, “3-Coordinate Organoboron Compounds for One and Two-Photon Excited Fluorescence,” Keynote Lecture, Symposium on “Cutting Edge Molecules for Biological Materials and Imaging Applications” Co-organized by The Hong Kong Polytechnic University (PolyU) and Hong Kong Baptist University (HKBU), Hong Kong, April 2015.
64. T.B. Marder, “Diethynylmetallacyclopentadienes – A New Class of Luminescent Organometallics,” Bruce-fest - A Symposium Celebrating the ⁷⁶Os Birthday of Michael Bruce, Royal Australian Chemical Institute National Congress, Adelaide, Australia, December 2014.
63. T.B. Marder, “Metal Catalyzed Borylation of C-H AND C-X Bonds: Synthesis of Aryl and Alkyl Boronates,” BIT's 5th Annual Global Congress of Catalysis-2014, Qingdao, P.R. China, September 2014.
62. T.B. Marder, “Optical Properties of Three-Coordinate Organoboron Compounds,” International Meeting on Boron Chemistry (IMEBORON XV), Prague, Czech Republic, August 2014.
61. T.B. Marder, “Transition Metal Catalysed Borylation of C-H and C-X Bonds,” Gordon Research Conference on Organometallic Chemistry, Newport, RI, USA, July 2014.
60. T.B. Marder, “Engineering Organic Crystals Using Arene-Perfluoroarene Interactions,” 13th Asian Crystallographic Conference (ASCA'13), Hong Kong, P.R. China, December 2013.
59. T.B. Marder, “Diethynylmetallacyclopentadienes – A New Class of Luminescent Organometallics,” International School and Symposium on Molecular Materials (ISSMM2013), Tokyo, Japan, November 2013.

58. T.B. Marder, “Diethynylmetallacyclopentadienes – A New Class of Luminescent Organometallics,” 15th Asian Chemical Congress (15 ACC), Singapore, August 19-23, 2013.
57. T.B. Marder, “Boron in Novel Materials and Catalysis,” 96th Canadian Society for Chemistry Conference, Quebec City, Canada, May 2013.
56. T.B. Marder, “Metal Catalyzed Borylation of C-H and C-X Bonds: Synthesis of Aryl and Alkyl Boronates,” Plenary Lecture, XXV International Conference on Organometallic Chemistry (ICOMC), Lisbon, Portugal, September 2012.
55. T.B. Marder, “NHC’s in Catalyzed Borylation Chemistry: Their Role as Ligands on Copper and in Adduct Formation with B₂pin₂,” Symposium on “N-Heterocyclic Carbenes in Organometallic Catalysis,” 244th ACS National Meeting, Philadelphia, PA, USA, August 2012.
54. T.B. Marder, “Transition Metal Catalyzed Borylation of C-X and C-H Bonds,” RSC/SCI Conference on “Challenges in Catalysis for Pharmaceuticals and Fine Chemicals III,” London, England, November 2011.
53. T.B. Marder, “Recent Developments in the Transition Metal Catalysed Borylation of C-H and C-X Bonds,” International Meeting on Boron Chemistry (IMEBORON XIV), Niagara Falls, Ontario, Canada, September 2011.
52. T.B. Marder, “Diethynylmetallacyclopentadienes – A New Class of Luminescent Organometallics,” Keynote Lecture, ASPIC 2011, A Symposium for Postgraduates in Inorganic Chemistry (RSC/SCI), University College London, London, England, July 2011.
51. T.B. Marder, “Applications of Boron Chemistry in the Development of Materials for Linear and Nonlinear Optics,” PACIFICHEM 2010, Symposium on “Organoboron, Organosilicon and Organophosphorus as Optoelectronic and Energy-related Materials,” Honolulu, Hawaii, December 2010.
50. T.B. Marder, “Recent Developments in the Transition Metal Catalyzed Borylation of C-H and C-X Bonds,” EuroBoron5, Fifth European Conference on Boron Chemistry, Edinburgh, Scotland, September 2010.
49. T.B. Marder, “Diethynylmetallacyclopentadienes – A New Class of Luminescent Organometallics,” 2010 International Symposium on Organometallic Chemistry, The Chinese University of Hong Kong, July 2010.
48. T.B. Marder, “Recent Developments in the Transition Metal Catalyzed Borylation of C-H and C-X Bonds,” Inaugural (1st) International Conference on Molecular and Functional Catalysis, Singapore, July 2010.

47. T.B. Marder, “Diethynylmetallacyclopentadienes – A New Class of Luminescent Organometallics,” Special Guest Lecture, “8th Ferrocene Colloquium,” Ruhr-Universität Bochum, Bochum, Germany, February 2010.
46. T.B. Marder, “Engineering Organic Crystals Using Arene-Perfluoroarene Interactions,” Microsymposium MS08 on “Organic Crystals,” Asian Crystallographic Association Conference AsCA’09, Beijing, China, October 2009.
45. T.B. Marder, “Transition Metal Catalyzed Borylation of C-H Bonds,” RSC Dalton Awards Symposium, Liverpool, UK, January 2009.
44. T.B. Marder, “Transition Metal Catalysed Borylation of Aromatic and Olefinic C-H Bonds: Applications in Organic Synthesis,” IMEBORON XIII, Platja d’Aro, Spain, September 2008.
43. T.B. Marder, “Synthesis and Optical Properties of Three-Coordinate Organoboron Compounds,” RSC Main Group Interest Group Annual Meeting, Bristol, UK, Plenary Lecture, September 2008.
42. T.B. Marder, “Metal Catalysed Synthesis of Retinoids for Stem Cell Differentiation Including Applications of Novel C-H Bond Functionalisation Processes,” Symposium in Honor of the Retirement of Dr. Daniel Touchard, Université de Rennes 1, France, July 2008.
41. T.B. Marder, “Transition Metal Catalyzed Borylation of C-H Bonds,” OZOM4 (New Zealand and Australia Conference on Organometallic Chemistry), Plenary Lecture, January 2008.
40. T.B. Marder, “Transition Metal Catalyzed Borylation of C-H Bonds,” BASF Boron Conference, Heidelberg, Germany, November 2007.
39. T.B. Marder, “Areas of Collaboration with Chinese Scientists,” Co-Reach Conference (Co-ordination of Research between the EU and China), The Royal Society, London, UK, June 2007.
38. T.B. Marder, “Synthesis and Properties of Three-coordinate Organoboron Compounds,” Symposium on “Polyfunctional Organoboranes – From Molecules to Materials,” 232nd National ACS Meeting, San Francisco, CA, September 2006.
37. T.B. Marder, “Synthesis and Properties of Conjugated Organo-element Compounds,” Japan-UK Symposium on the “Chemistry of Coordination Space,” London, UK, July 2006.
36. T.B. Marder, “Synthesis and Properties of Conjugated Organic and Organometallic Rigid-Rods Based on Arylene-Ethynylene Units,” symposium on “Designed pi-Electronic Systems – Synthesis, Properties, Theory and Function,” PACIFICHEM Conference, Honolulu, Hawaii, December 2005.
35. T.B. Marder, J.C. Collings, C.D. Entwistle, Z. Yuan, H.-M. Kaiser, A.S. Batsanov, D. Albesa-Jové, J.A.K. Howard, S.-Y. Poon, R.W.Y. Wong, C. Jardin, S. Fathallah, A. Boucekkiné, J.-F. Halet, L. Porrès, M. Charlot, A. Beeby, and M. Blanchard-Desce, “Optical Properties of 3-Coordinate

- Organoboron Compounds,” symposium on “Boron and Silicon Chemistry,” PACIFICHEM Conference, Honolulu, Hawaii, December 2005.
34. T.B. Marder, I.A.I. Mkhaldid, D.N. Coventry, A.S. Batsanov, D. Albesa-Jové, L. Porrès, J.A.K. Howard, and A. Beeby, “Transition Metal Catalyzed Borylation of CH Bonds: A Route to 2-Arylheteroarenes for Use as Mixed-C,N-Donor Bidentate Ligands in Luminescent 3rd Row Transition Metal Complexes,” symposium on “Metal Complexes of Mixed-Donor Multidentate Ligands: Chemistry and Applications,” PACIFICHEM Conference, Honolulu, Hawaii, December 2005.
 33. T.B. Marder, “Transition Metal Catalysed Borylations Including C-H Bond Functionalisation,” 12th International Meeting on Boron Chemistry (IMEBORON XII), Sendai, Japan, September 2005.
 32. T.B. Marder, "Transition Metal Catalysed Borylations Including C-H Bond Functionalisation," Encuentro de Química Inorgánica, Pachuca, México, June 2005.
 31. T.B. Marder, “Synthesis and Properties of Conjugated Organoelement Compounds,” 4th Kyoto University Center of Excellence International Symposium, Kyoto, Japan, January 2005.
 30. T.B. Marder, “New Observations on Conjugated Materials,” Theoretical and Experimental Inorganic Chemistry, A Symposium to Celebrate the 60th Birthday of Professor D. Michael P. Mingos, FRS, Oxford, UK, August 2004.
 29. T.B. Marder, "Transition Metal Catalysed Borylations Including C-H Bond Functionalisation," 87th Canadian Society for Chemistry Conference, London, Ontario, Canada, May 2004.
 28. T.B. Marder, "Transition Metal Catalysed Borylations Including Direct C-H Bond Functionalisation," Anglo/Germano International Conference on Inorganic Chemistry (AGICHEM 2002), University of München, Germany, April 2002.
 27. T.B. Marder, "Rhodium Catalysed Borylation via C-H Bond Activation: Direct Synthesis of Aryl-Benzyl- and Vinylboronate Esters," Singapore International Chemistry Conference-2 (SICC-2), "Frontiers in Chemical Design and Synthesis," Singapore, December 2001.
 26. T.B. Marder, S. Shimada, R.B. Coapes, R.Ll. Thomas, J.J. Hall, E.G. Robins, D.S. Yufit, A.S. Batsanov, J.A.K. Howard, C. Dai, F.E.S. Souza, M.J.G. Lesley, S.A. Westcott, W.-H. Lam, Z. Lin, A.J. Scott, and W. Clegg "Metal Catalysed Borylation via C-H Bond Activation and Related Processes: Direct Synthesis of Aryl-, Benzyl- and Vinylboronate Esters," Symposium on "Frontiers in Organometallic Chemistry," 222nd ACS National Meeting, Chicago, IL, August 2001.
 25. T.B. Marder, S. Shimada, R.Ll. Thomas, R.B. Coapes, D.S. Yufit, A.S. Batsanov, J.M. Burke, J.A.K. Howard, C. Dai, F.E.S. Souza, M.J.G. Lesley, P. Nguyen, S.A. Westcott, E.G. Robins, C.R. Rice, N.C. Norman, R.T. Baker, A.J. Scott, and W. Clegg, "The Role of Transition Metal Boryl Complexes in Catalysed Borylations Including Rhodium Catalysed C-H Bond Functionalisation," RSC Coordination Chemistry Discussion Group Annual Conference, University of York, UK, July 2001.

24. T.B. Marder, "Transition Metal Catalysed Diboration: A New Route to Bidentate Lewis Acids," 84th Canadian Society for Chemistry Conference, Montreal, Canada, May 2001.
23. T.B. Marder, "Linear and Non-linear Optical Properties of Organoboron Compounds," 13th International Symposium on Boron, Borides and Related Compounds (ISBB'99), Dinard, France, September 1999.
22. T.B. Marder, "Transition Metal Boryl Complexes and Their Role in Homogeneous Catalysis," Organometallic Chemistry in the South Pacific - A Celebration, Auckland, New Zealand, January 1999.
21. T.B. Marder, "Transition Metal Boryl Complexes and Their Role in Catalysis," Meeting for Inorganic Chemistry Recent Appointees (MICRA '98), University of York, UK, August 1998.
20. T.B. Marder, "Well-Defined Conjugated Rigid-Rods as Multifunctional Materials," RSC Dalton Division Symposium on "Molecules to Materials," London, UK, March 1998.
19. T.B. Marder, C. Dai, F. Souza, G. Lesley, P. Nguyen, S.A. Westcott, E.G. Robins, C.R. Rice, N.L. Pickett, N.C. Norman, A.J. Scott, W. Clegg, C. Wiesauer, and W. Weissensteiner, "The Role of Transition Metal Boryl Complexes in Homogeneous Catalysis," Symposium on "Transition Metal Group 13 Compounds Including Their Roles in Catalytic Processes," Fifth Chemical Congress of North America, Cancun, Mexico, November 1997, Abstract No. 1493.
18. T.B. Marder, M.J.G. Lesley, P. Nguyen, C. Dai, F. Souza, C. Wiesauer, S.A. Westcott, N.J. Taylor, F. Lawlor, E.G. Robins, N.C. Norman, A.J. Scott, W. Clegg, N.L. Pickett, R.T. Baker, and J.C. Calabrese, "Transition Metal Catalyzed Hydroboration and Diboration of Unsaturated Organics," 10th International Symposium on Homogeneous Catalysis (ISHC-10), Princeton, NJ, August 1996.
17. T.B. Marder, "Conjugated Rigid-Rods as Multifunctional Materials," Symposium on Coordination and Organometallic Chemistry Involving New Materials or Extended Systems," 79th Canadian Chemical Conference, St. John's, Newfoundland, Canada, June 1996.
16. T.B. Marder, "Observations on the Synthesis and Properties of Transition Metal Acetylides and Other Conjugated Rigid-Rods," Symposium on "Metal Complexes of Carbon: The Coordination Chemistry of C_x Ligands," 1995 International Chemical Congress of the Pacific Basin Societies, Honolulu, Hawaii, December 1995.
15. T.B. Marder, "The Role of Transition Metal Boryl Complexes in Homogeneous Catalysis," Symposium on "Homogeneous Catalysis", 25th Northeast Regional Meeting of the American Chemical Society, Rochester, NY, October 1995.
14. T.B. Marder, "Well-Defined Conjugated Rigid-Rods as Multifunctional Materials: Linear and Nonlinear Optical Properties and Liquid Crystalline Behaviour," **1995-Rutherford Memorial Medal**

- for Chemistry Lecture**, Annual Conference of the Academy of Science of the Royal Society of Canada, Ottawa, Ontario, Canada, June 1995.
13. T.B. Marder, "Transition Metal Boryl (M-BR₂) Complexes: Synthesis, Structure, and Relevance to Catalytic Processes," Symposium on "Inorganometallic Chemistry," 78th Canadian Chemical Conference, Guelph, Ontario, Canada, May 1995.
 12. T.B. Marder, "Optical Properties of Organic and Organometallic Rigid Rod Oligomers and Polymers," 18th Annual Symposium on "Current Contributions in Polymer Science and Engineering," The University of Michigan, Ann Arbor, MI, October 1994.
 11. T.B. Marder, "Transition Metal Catalysis in the Preparation of Conjugated Rigid-Rod Organic and Organometallic Oligomers," NATO Advanced Research Workshop (ARW) on "Applications of Organometallic Chemistry in the Preparation and Processing of Advanced Materials," Cap d'Agde, France, September 1994.
 10. T.B. Marder, "Rigid-Rod Organic and Organometallic Oligomers," Symposium on "Organometallic Chemistry in Materials Science," 208th National ACS Meeting, Washington, DC, August 1994.
 9. T.B. Marder, P. Nguyen, M.J.G. Lesley, S.A. Westcott, N.J. Taylor, N.C. Norman, N. Pickett, and R.T. Baker, "The Role of Transition Metal Boryl Complexes in Homogeneous Catalysis," XVI International Conference on Organometallic Chemistry, Sussex, UK, July 1994.
 8. S.A. Westcott, H.P. Blom, P. Nguyen, N.J. Taylor, R.T. Baker, J.C. Calabrese, and T.B. Marder, "Transition Metal Catalyzed Hydroboration," Fifth International Conference on the Chemistry of the Platinum Group Metals, St. Andrews, Scotland, UK, July 1993.
 7. Z. Yuan, N.J. Taylor, L.-T.A. Cheng, and T.B. Marder, "Nonlinear Optical Properties of Organoboranes," 76th Canadian Chemical Conference, Sherbrooke, Quebec, Canada, June 1993.
 6. S.A. Westcott, P. Nguyen, H.P. Blom, N.J. Taylor, R.T. Baker, J.C. Calabrese, and T.B. Marder, "Transition Metal Catalyzed Hydroboration," 76th Canadian Chemical Conference, Sherbrooke, Quebec, Canada, June 1993.
 5. T.B. Marder, "Polymeric Coatings for Non-linear Optics", Functional Coatings in Industry: Development, Applications, Trouble Shooting, Second Annual Seminar/Course, Toronto, Ontario, Canada, May 1991.
 4. T.B. Marder, "Nonlinear Optical Properties of Rigid-Rod Metal Acetylide Oligomers and Polymers", NATO AR Workshop on "Organometallic Polymers with Special Properties", Cap d'Agde, France, September 1990.
 3. T.B. Marder, G. Lesley, Z. Yuan, H. Fyfe, P. Chow, G. Stringer, I.R. Jobe, N.J. Taylor, I.D. Williams, and S.K. Kurtz, "Organics and Organometallics for Nonlinear Optics", Symposium on "Transition Metals in Organic Synthesis", 73rd Canadian Chemical Conference, Halifax, N.S., Canada, July 1990.

2. T.B. Marder, "Fundamental Studies of Late Transition Metal Organometallics: Applications to Organic Chemistry and New Materials", Symposium on "Organometallics", 23rd Great Lakes Regional ACS Meeting, Dekalb, IL, May 1990.
1. T.B. Marder, "Modern Inorganic Chemistry and Computers", 9th Biennial Conference of the Science Teachers Association of Ontario, Toronto, Ontario, Canada, November 1986.

OTHER INVITED LECTURES

347. Tianjin University, Tianjin, China, January 2025. Presented by zoom.
346. Dublin City University, Dublin, Ireland, May 2024.
345. University of British Columbia, Vancouver, BC, Canada, June 2023.
344. University of Milan, Milan, Italy, April 2023.
343. University of Tokyo, Tokyo, Japan, March 2023.
342. Research Institute for Innovation in Sustainable Chemistry, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Japan, March 2023.
341. Kyoto University, Yoshida Campus, Kyoto, Japan, March 2023.
340. Kyoto University, Uji Campus, Kyoto, Japan, March 2023.
339. Kyoto University, Katsura Campus, Kyoto, Japan, March 2023.
338. Nagoya University, Nagoya, Japan, March 2023.
337. Université de Rennes 1, Rennes, France, February 2023.
336. RWTH Aachen, Aachen, Germany, May 2022.
335. University of Virginia, USA, November 2021. Presented by zoom.
334. Texas A&M University, USA, October 2021. Presented by zoom.
333. Mt. Allison University, Sackville, New Brunswick, Canada, January 2021. Presented by TEAMS.
332. Northwestern Polytechnical University, Xi'an, China, December 2020. Presented by zoom.
331. Virginia Tech, USA, October 2020. Presented by zoom.
330. SRM Institute of Science and Technology, Chennai, India, July 2020. Presented by zoom.
329. Maynooth University (National University of Ireland Maynooth), Maynooth, Ireland, February 2020.
328. University College Dublin, Dublin, Ireland, February 2020.
327. Northwestern Polytechnical University, Xi'an, China, November 2019.
326. Xi'an Jiaotong University, Xi'an, China, November 2019.
324. Shandong University, Jinan, China, November 2019 (2 lectures).
323. Lanzhou Institute of Chemical Physics, Chinese Academy of Science, Suzhou, China, November 2019.
322. Tongji University, Shanghai, China, November 2019.
321. Shanghai University, Shanghai, China, November 2019.
320. Jilin University, Changchun, China, July 2019 (Supramolecular Chemistry and Materials Lecture Series).
319. Université de Perpignan - Via Domitia, Perpignan, France, June 2019.
318. Universität Konstanz, Konstanz, Germany, May 2019 (GDCh Lecture).
317. FAU Universität Erlangen, Erlangen, Germany, April 2019 (GDCh Lecture).
316. University of Toronto, Toronto, Ontario, Canada, March 2019.
315. Queen's University, Kingston, Ontario, Canada, March 2019.
314. University of Alberta, Edmonton, Alberta, Canada, March 2019.

313. University of Frankfurt, Frankfurt, Germany, February 2019.
312. Dublin City University, Dublin, Ireland, January 2019.
311. Rudjer Boskovic Institute, Zagreb, Croatia, November 2018.
310. University College Cork, Cork, Ireland, October 2018.
309. Aarhus University, Aarhus, Denmark, April 2018.
308. Université de Rennes 1, Rennes, France, April 2018.
307. Université de Lyon 1, Lyon, France, June 2017.
303. Indian Institute of Science, Bangalore, India (4 lectures), October 2016.
302. Kings College, London, England, March 2016.
301. Imperial College of Science, Technology and Medicine, London, England, March 2016.
299. 9th CaRLa Winter School on Homogeneous Catalysis, BASF/University of Heidelberg, February 2016 (2 lectures).
298. Laboratoire de Physique et Chimie des Nano-Objets, INSA, Toulouse, France, 2016, February 2016.
297. University of Edinburgh, Edinburgh, Scotland, February 2016 (RSC Award Lecture Tour).
296. University of Durham, Durham, England, February 2016 (RSC Award Lecture Tour).
295. University of Leeds, Leeds, England, January 2016 (RSC Award Lecture Tour).
294. University of Bristol, Bristol, England, January 2016 (RSC Award Lecture Tour).
293. University of Kassel, Kassel, Germany, January 2016 (GDCh Lecture).
292. University of Stuttgart, Stuttgart, Germany, January 2016 (GDCh Lecture).
291. University of Heidelberg, Heidelberg, Germany, December 2015 (Lieseberg-Kolloquium).
290. Peking University, Beijing, China, October 2015.
289. University of Science and Technology China, Hefei, China, October 2015.
288. Shanghai Institute of Organic Chemistry (SIOC), Chinese Academy of Science, Shanghai, China, October 2015.
287. University of Wollongong, Wollongong, Australia, December 2014.
283. Australian National University, Canberra, Australia, November-December 2014, (David Craig Lecture + 3 others).
282. University of Strasbourg, France, September 2014.
281. Merck KGaA - Performance Materials Division, Darmstadt, Germany, June 2014.
280. Albert-Ludwigs-Universität Freiburg, Freiburg, Germany, February 2014.
279. Sultan Qaboos University, Muscat, Oman, December 2013.
278. Shandong University, Jinan, China, December 2013.
277. Shanghai Institute of Organic Chemistry (SIOC), Chinese Academy of Science, Shanghai, China, December 2013.
276. Fudan University, Shanghai, China, December 2013.
274. Jiangnan University, Wuxi, China, November 2013 (2 lectures).
273. Humboldt University, Berlin, Germany, November 2013.
272. RIKEN, Advanced Science Institute, Tokyo, Japan, November 2013.
271. Institute for Materials Research and Engineering (IMRE), Singapore, August 2013.
270. Universität Hamburg, Hamburg, Germany, January 2013.
269. RWTH Aachen, Aachen, Germany, January 2013, (GDCh Lecture).
268. Technische Universität Carolo-Wilhelmina zu Braunschweig, Braunschweig, Germany, December 2012, (GDCh Lecture).

267. Eberhard-Karls-Universität Tübingen, Tübingen, Germany, June 2012, (Graduate Student Seminar Series on 'Modern Organometallic Catalysis - Research for Energy Efficient Reactions').
266. Northwest A & F University, Yanling, China, April 2012.
265. Shandong University, Jinan, China, April 2012.
264. Northeast Normal University, Changchun, China, April 2012.
263. Jilin University, Changchun, China, April 2012.
262. Tsinghua University, Beijing, China, April 2012.
261. Bristol University, Bristol, England, November 2011, (supporting lecture in the Gordon Stone Lecture Symposium).
260. Brock University, St. Catherines, Ontario, Canada, September 2011.
259. Technical University Munich, Munich, Germany, April 2011.
258. Tsinghua University, Beijing, China, January 2011.
257. University of Hawaii at Manoa, Honolulu, Hawaii, December 2010.
256. University of Manchester, Manchester, England, November 2010.
255. Institute for Materials Research and Engineering, Singapore, July 2010.
254. UNIMAS, Sarawak, Malaysia, July 2010.
253. University of Edinburgh, June 2010.
251. Research Institute for Innovation in Sustainable Chemistry, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Japan, April 2010 (2 lectures).
250. Tohoku University, Sendai, Japan, April 2010.
249. Hokkaido University, Sapporo, Japan, April 2010.
248. Muroran Institute of Technology, Muroran, Japan, April 2010.
247. Ryuku University, Okinawa, Japan, April 2010.
246. Kyoto University, School of Engineering, Kyoto, Japan, April 2010.
245. Kyoto University, School of Science, Kyoto, Japan, April 2010.
244. Nagoya University, Nagoya, Japan, April 2010.
243. Tokyo Institute of Technology, Tokyo, Japan, April 2010.
241. University of Tokyo, Tokyo, Japan, April 2010 (2 lectures).
240. Université de Rennes 1, Rennes, France, March 2010.
239. Universität Würzburg, Würzburg, Germany, February 2010.
238. Goethe-Universität Frankfurt, Frankfurt, Germany, February 2010.
236. Wuhan University, Wuhan, China, January 2010 (2 lectures).
235. Shandong University, Jinan, China, January 2010.
234. Jilin University, Changchun, China, January 2010.
233. City University of Hong Kong, Hong Kong, November 2009.
232. York University, York, England, November 2009.
231. Hokkaido University, Sapporo, Japan, October 2009.
230. Emory University, Atlanta, GA, USA, June 2009.
229. Georgia Institute of Technology, Atlanta, GA, USA, June 2009.
228. Sultan Qaboos University, Muscat, Oman, May 2009.
227. University of Reading, Reading, England, May 2009.
226. Laboratory of Chemical Genomics, Shenzhen Graduate School, Peking University, Shenzhen, China, April 2009.
225. University of Wuhan, Wuhan, China, April 2009.

224. Northwest A & F University, Yanling, China, April 2009.
222. Shandong University, State Key Lab for Crystal Materials, Jinan, China, April 2009 (2 lectures).
221. Peking University, Beijing, China, April 2009.
220. Institute of Chemistry, Chinese Academy of Science (ICCAS), Beijing, China, April 2009.
219. University of Western Ontario, London, Ontario, Canada, August 2008.
218. University of Windsor, Windsor, Ontario, Canada, August 2008.
217. University of Toronto, Toronto, Ontario, Canada, August 2008.
216. York University, York, England, July 2008.
215. Syngenta, Jealott's Hill International Research Centre, Bracknell, England, June 2008.
214. Sultan Qaboos University, Muscat, Oman, May 2008.
213. University of Bristol, Bristol, England, May 2008.
212. Queen's University Belfast, Belfast, Northern Ireland, April 2008.
211. Hong Kong University of Science and Technology, Hong Kong, April 2008.
210. University of Wuhan, Wuhan, China, April 2008.
209. Shandong University, State Key Lab for Crystal Materials, Jinan, China, April 2008.
208. Philipps-Universität Marburg, Marburg, Germany, March 2008.
207. University of Frankfurt, Frankfurt, Germany, March 2008.
206. Universität Würzburg, Würzburg, Germany, March 2008.
205. University of Regensburg, Regensburg, Germany, March 2008.
204. University of New South Wales, Sydney, Australia, January 2008.
203. Monash University, Melbourne, Australia, January 2008.
202. CSIRO, Health and Molecular Sciences, Melbourne, Australia, January 2008.
201. University of Melbourne, Bio21 Institute, Melbourne Australia, January 2008.
200. Australian National University, Canberra, Australia, January 2008.
199. Dowpharma, Chirotech Technology Ltd., Cambridge, England, June 2007.
198. City University of Hong Kong, April 2007.
197. Dalian Institute of Chemical Physics, CAS, & AllyChem Co. Ltd., Dalian, China, April 2007.
196. Peking University, Beijing, China, April 2007.
195. University of Wuhan, Wuhan, China, April 2007.
194. Chinese University of Hong Kong, Hong Kong, April 2007.
193. Hong Kong Baptist University, Hong Kong, April 2007.
192. Hong Kong University, Hong Kong, April 2007.
191. Universität Würzburg, Würzburg, Germany, March 2007.
190. Oxford University, Oxford, England, January 2007.
189. University of Frankfurt, Frankfurt, Germany, January 2007.
188. Max Plank Institute for Polymer Chemistry, Mainz, Germany, January 2007.
187. Philipps-Universität Marburg, Marburg, Germany, January 2007.
186. CNRS Laboratoire de Chimie de Coordination, Toulouse, France, December 2006.
185. University of Oviedo, Oviedo, Spain, November 2006.
184. Université de Rennes 1, Rennes, France, November 2006.
183. Queen Mary College, University of London, November 2006.
182. Queen's University, Kingston, Ontario, Canada, September 2006.
181. University of Ottawa, Ottawa, Ontario, Canada, September 2006.
179. University of Montreal, Montreal, Canada, September 2006 (2 lectures).

178. Stockholm University, Sweden, September 2006.
177. Hong Kong University, Hong Kong, April 2006.
176. Peking University, Beijing, China, March 2006.
175. Beijing University of Chemical Technology, Beijing, China, March 2006.
174. Laboratory of Chemical Genomics, Shenzhen Graduate School, Peking University, Shenzhen, China, March 2006.
173. Hong Kong Baptist University, Hong Kong, March 2006.
172. Hong Kong University of Science and Technology, Hong Kong, March 2006.
171. University of Hawaii at Manoa, Honolulu, Hawaii, December 2005.
170. Research Institute for Innovation in Sustainable Chemistry, National Institute of Advanced Industrial Science and Technology, Tsukuba, Japan, September 2005.
169. University of Tokyo, Tokyo, Japan, September 2005.
168. Kyoto University, Kyoto, Japan, September 2005.
167. Universidad Autónoma del Estado de Morelos, Cuernavaca, Morelos, México, June 2005.
166. Instituto de Química, UNAM, México, June 2005.
165. Massachusetts Institute of Technology, Cambridge, MA, USA, June 2005.
164. Université de Rennes 1, Rennes, France, May 2005.
163. Hong Kong Baptist University, Hong Kong, April 2005.
162. Hong Kong University of Science and Technology, Hong Kong, March 2005.
161. Hong Kong University, Hong Kong, March 2005.
160. Universiteit van Amsterdam, Amsterdam, The Netherlands, March 2005.
159. Universität Würzburg, Würzburg, German, January 2005.
158. University of Osaka, Osaka, Japan, January 2005.
157. University of Cardiff, Cardiff, Wales, October 2004.
156. University of Bath, Bath, England, October 2004.
155. University of Newcastle upon Tyne, Newcastle, England, September 2004.
154. CNRS Laboratoire de Chimie de Coordination, Toulouse, France, September 2004.
153. University of Toronto, Toronto, Ontario, Canada, May 2004.
152. University of Hawaii at Manoa, Honolulu, Hawaii, April 2004.
151. Peking University, Beijing, China, February 2004.
150. Beijing University of Chemical Technology, Beijing, China, February 2004.
149. University of Wuhan, Wuhan, China, February 2004.
148. Hong Kong University, Hong Kong, February 2004.
147. City University of Hong Kong, February 2004.
146. Hong Kong Baptist University, Hong Kong, February 2004.
145. Chinese University of Hong Kong, Hong Kong, February 2004.
144. University College Dublin, Republic of Ireland, October 2003.
143. Université de Rennes 1, Rennes, France, May 2003.
142. Research Institute for Green Technology, National Institute of Advanced Industrial Science and Technology, Tsukuba, Japan, April 2003.
141. Hokkaido University, Sapporo, Japan, April 2003.
140. Inha University, Incheon, Korea, April 2003.
139. University of Hawaii, Honolulu, Hawaii, April 2003.
138. Hong Kong University of Science and Technology, Hong Kong, March 2003.

137. University of Manchester Institute of Science and Technology, Manchester, England, February 2003.
136. Royal Society of Chemistry, Southeast Wales Local Section Lecture, Cardiff, Wales, January 2003.
135. University of Leicester, Leicester, England, December 2002.
134. University of Leeds, Leeds, England, December 2002.
133. McGill University, Montreal, Canada, August 2002.
132. University of Montreal, Montreal, Canada, August 2002.
131. University of Sheffield, Half-day Symposium, Sheffield, England, April 2002.
130. University of Liverpool, Liverpool, England, March 2002.
129. University of Bath, Bath, England, March 2002.
128. ICMAB-CSIC, U.A.B. Campus, Bellaterra, Spain, February 2002.
127. University of South Carolina, Columbia, South Carolina, August 2001.
126. Imperial College of Science, Technology and Medicine, London, England, June 2001.
125. University of Durham, Inaugural Lecture, Durham, England, June 2001.
124. University of Durham, Dept. of Physics, Condensed Matter Seminar, Durham, England, March 2001.
123. University of Bristol, Bristol, England, March 2001.
122. University College, London, England, February 2001.
121. University of Glasgow, (Glasgow University Alchemists' Club), Glasgow, Scotland, November 2000.
120. The Hong Kong Polytechnic University, Hong Kong, April 2000.
119. Hong Kong University of Science and Technology, Hong Kong, April 2000.
118. Johnson Matthey Technology Centre, Reading, England, March 2000.
117. Coventry University (RSC Lecture), Coventry, England, March 2000.
116. University of Warwick (RSC Lecture), Coventry, England, December 1999.
115. Oxford University, Oxford, England, March 1999.
114. Rutgers University, Newark, New Jersey, February 1999.
113. Columbia University, New York, New York, February 1999.
112. University of Edinburgh, Edinburgh, Scotland, January 1999.
111. Osaka University, Osaka, Japan, September 1998.
110. Kyoto University, Kyoto, Japan, September 1998.
109. Hokkaido University, Sapporo, Japan, September 1998.
107. National Institute of Materials and Chemical Research, Tsukuba, Ibaraki, Japan, September 1998 (2 lectures).
106. York University, York, England, February 1998.
105. University of Strathclyde, Glasgow, Scotland, February 1998.
104. Cambridge University, Cambridge, England, February 1998.
103. Universiteit van Amsterdam, Amsterdam, The Netherlands, January 1998.
102. Shell Research and Technology Centre Amsterdam, The Netherlands, January 1998.
101. Callery Chemical Company, Pittsburgh, Pennsylvania, August 1996.
100. University of Exeter, Exeter, England, May 1996.
99. University of Birmingham, Birmingham, England, May 1996.
98. Oxford University, Oxford, England, May 1996.
97. Dartmouth College, Hanover, New Hampshire, April 1996.
96. University of New Hampshire, Durham, New Hampshire, April 1996.
95. Novacor Research and Technology Corporation, Calgary, Alberta, Canada, February 1996.
94. University of Lethbridge, Lethbridge, Alberta, Canada, February 1996.

93. University of Calgary, Calgary, Alberta, Canada, February 1996.
92. University of Alberta, Edmonton, Alberta, Canada, February 1996.
91. Laurentian University, Sudbury, Ontario, Canada, January 1996.
90. York University, York, Ontario, Canada, September 1995.
89. University of Toronto, Toronto, Ontario, Canada, August 1995.
88. The Steacie Institute for Molecular Sciences, National Research Council of Canada, Ottawa, Canada, June 1995.
87. University of Warwick (Symposium on 'Recent Advances in Organometallics'), Coventry, England, May 1995.
86. York University, York, England, May 1995.
85. Heriot-Watt University, Edinburgh, Scotland, May 1995.
84. University of Western Ontario, London, Ontario, Canada, February 1994.
83. Université de Montréal, Montréal, Quebec, Canada, January 1994.
82. McGill University, Montréal, Quebec, Canada, 1994.
81. University of Ottawa, Ottawa, Ontario, Canada, January 1994.
80. Queen's University, Kingston, Ontario, Canada, December 1993.
79. Akron ACS Local Section Topical Lecture, Akron, Ohio, November 1993.
78. Imperial College of Science, Technology and Medicine, London, England, July 1993.
77. Université Pierre et Marie Curie, Paris, France, June 1993.
76. Université de Brest, Brest, France, June 1993.
75. CNRS Laboratoire de Chimie de Coordination, Toulouse, France, June 1993.
71. Université de Rennes 1, Rennes, France, June 1993 (4 lectures).
70. University of Glasgow, Glasgow, Scotland, June 1992.
69. Cambridge University, Cambridge, England, June 1992.
68. Oxford University, Oxford, England, May 1992.
67. University of Newcastle-upon-Tyne, Newcastle, England, May 1992.
66. University of Durham, Durham, England, May 1992.
65. University College (University of London), London, England, March 1992.
64. University of Bath, Bath, England, March 1992.
63. University of Bristol, Bristol, England, March 1992.
62. University of Illinois, Urbana, Illinois, February 1992.
61. University of Wisconsin, Madison, Wisconsin, February 1992.
60. Northwestern University, Evanston, Illinois, February 1992.
59. Purdue University, West Lafayette, Indiana, February 1992.
58. University of Indiana, Bloomington, Indiana, February 1992.
57. University of California at Los Angeles, Los Angeles, California, February 1992.
56. California Institute of Technology, Pasadena, California, February 1992.
55. University of California at Irvine, Irvine, California, January 1992.
54. University of California at San Diego, San Diego, California, January 1992.
53. State University of New York at Buffalo, Buffalo, New York, December 1991.
52. University of Maryland, College Park, Maryland, October 1991.
51. University of Toronto, Toronto, Ontario, Canada, July 1991.
50. University of Sheffield, Sheffield, England, April 1991.
49. University of Newcastle upon Tyne, Newcastle, England, April 1991.
48. Wayne State University, Detroit, Michigan, November 1990.

47. Cambridge University, Cambridge, England, September 1990.
46. DuPont Canada Ltd., Kingston, Ontario, Canada, March 1990.
45. University of Victoria, Victoria, B.C., Canada, March 1990.
44. University of British Columbia, Vancouver, B.C., Canada, February 1990.
43. Simon Fraser University, Burnaby, B.C., Canada, February 1990.
42. University of Washington, Seattle, Washington, February 1990.
41. University of Alberta, Edmonton, Alberta, Canada, February 1990.
40. McMaster University, Hamilton, Ontario, Canada, January 1990.
39. University of Pennsylvania, Philadelphia, Pennsylvania, February 1989.
38. University of Delaware, Newark, Delaware, February 1989.
37. DuPont Central Research and Development, Wilmington, Delaware, February 1989.
36. University of California at Santa Barbara, Santa Barbara, California, November 1988.
35. University of New Mexico, Albuquerque, New Mexico, November 1988.
34. University of Arizona, Tucson, Arizona, November 1988.
33. California Institute of Technology, Pasadena, California, November 1988.
32. University of Warwick, Coventry, England, August 1988.
31. State University of New York at Buffalo, Buffalo, New York, May 1988.
30. University of Rochester, Rochester, New York, May 1988.
29. Cornell University, Ithaca, New York, May 1988.
28. Kings College (University of London), London, England, May 1987.
27. Oxford University, Oxford, England, May 1987.
26. Brown University, Providence, Rhode Island, April 1987.
25. University of Guelph, Guelph, Ontario, Canada, February 1987.
24. Dalhousie University, Halifax, Nova Scotia, Canada, December 1986.
23. Saint Mary's University, Halifax, Nova Scotia, Canada, December 1986.
22. University of Windsor, Windsor, Ontario, Canada, October 1986.
21. University of Western Ontario, London, Ontario, Canada, June 1986.
20. University of Alabama, University, Alabama, June 1986.
19. Monsanto Company, St. Louis, Missouri, June 1986.
18. Oxford University, Oxford, England, September 1985.
17. University of Bristol, Bristol, England, September 1985.
16. Université Louis Pasteur, Strasbourg, France, September 1985.
15. University of Indiana, Bloomington, Indiana, July 1985.
14. Purdue University, West Lafayette, Indiana, July 1985.
13. Exxon Research and Engineering Co., Annandale, New Jersey, May 1985.
12. AT&T Bell Laboratories, Murray Hill, New Jersey, May 1985.
11. Princeton University, Princeton, New Jersey, May 1985.
10. University of Wisconsin, Madison, Wisconsin, November 1984.
9. Massachusetts Institute of Technology, Cambridge, Massachusetts, September 1984.
8. California Institute of Technology, Pasadena, California, June 1984.
7. University of California at Los Angeles, Los Angeles, California, June 1984.
6. University of Durham, Durham, England, May 1983.
5. University of Edinburgh, Edinburgh, Scotland, May 1983.
4. University of Strathclyde, Glasgow, Scotland, May 1983.

3. Imperial Chemical Industries, New Science Group, Runcorn, England, July 1982.
2. University of Leeds, Leeds, England, May 1982.
1. University of Bristol, Bristol, England, February 1982.