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Papers under Consideration

305. Kiebal, J.; Vanhecke, D.; Weder, C.; Schrettl, S.; Reversible mechanochromism through phase-separated micro-domains of an aggregachromic additive; *In Revision*.
304. Than-ardna, B.; Weder, C.; Manuspiya, H.; Superhydrophilic bacterial cellulose membranes efficiently separate oil-in-water emulsions; *Submitted*.
303. Traeger, H.; Sagara, Y.; Berrocal, J.; Schrettl, S.; Weder, Investigation of mechanophore-containing poly-urethanes having different hard segments; *In Revision*.
302. Liu, P.; Jimaja, S.; Mayer, M.; Weder, C.; Bruns, N.; Mechanically Triggered On-Demand Degradation of Polymers Synthesized by Radical Polymerizations; *In Revision*.

Peer Reviewed Papers

301. Cappelletti, C.; Olaechea, L.M.; Ianiro, A.; Prado, C.; Oveisi, E.; Weder, C.; Schrettl, S.; Metallosupramolecular Polymers as Precursors for Platinum Nanocomposites; *Polym. Chem.* **2022**, *13*, 1880-1890. DOI: 10.1039/D2PY00071G
300. Nylund, P.V.S.; Monney, B.; Weder, C.; Albrecht, M.; N-heterocyclic carbene iron complexes catalyze the ring-opening polymerization of lactide; *Catal. Sci. Technol.* **2022**, *12*, 996-1004. DOI: 10.1039/D1CY02143E
299. Wohlhauser, S.; Rader, C.; Weder, C.; Facile method to determine the molecular weight of polymer grafts grown from cellulose nanocrystals; *Biomacromolecules* **2022**, *23*, *In Press*. DOI: 10.1021/acs.biomac.1c01050
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296. Taladriz-Blanco, P.; Spuch-Calvar, M.; del Prado, A.; Weder, C.; Rothen-Rutishauser B.; Petri-Fink, A.; Rodriguez-Lorenzo, L.; Impurities in Polyvinylpyrrolidone: the key factor in the synthesis of gold nanostars; *Nanoscale Advances* **2022**, *4*, 387-392. DOI: 10.1039/d1na00711d
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Lectures and Seminars

Invited (244 total):

- “Asymmetric water transport in leaf cuticles and cuticle-inspired membranes”
American Chemical Society National Spring Meeting, March 22, 2022; San Diego CA (USA)
- “(Bio-Inspired) Stimuli-Responsive Materials”
Seminar, Dept. of Chem. & Biol. Eng., Univ. of British Columbia, March 18, 2022; Vancouver (CA)
- “Bio-Based, Bio-Inspired Nanocomposites”
Macromolecular Colloquium Freiburg 2022, February 25, 2022; Freiburg (Germany) (remote)
- “Mechanically Morphing Polymers”
Seminar, PPC, Chulalongkorn University, February 14, 2022; Bangkok (TH) (remote)
- “(Bio-Inspired) Stimuli-Responsive Materials”
Seminar, Dept. of Materials Science, University of Milano-Bicocca, January 20, 2022; Milano (IT)
- “(Bio-Inspired) Stimuli-Responsive Materials”
Seminar, School of Chemistry, University of Bristol, January 19, 2022; Bristol (UK) (remote)
- “Nanophase separated upconverting polymer systems”
PACIFICHEM 2020/2021, December 21, 2021; Honolulu (USA) (remote)
- “Mechanoresponsive polymers based on supramolecular mechanophores”
PACIFICHEM 2020/2021, December 18, 2021; Honolulu (USA) (remote)
- “Stimuli-responsive metallosupramolecular polymer networks”
PACIFICHEM 2020/2021, December 17, 2021; Honolulu (USA) (remote)
- “Functional Polymers”
Research & Industry Day, UniFR/HEIA-FR September 16, 2021; Fribourg.
- “Functional Polymers”
Common Research Day, UniFR/HEIA-FR September 15, 2021; Fribourg.
- “Stimuli-Responsive Metallosupramolecular Polymer Networks”
American Chemical Society National Fall Meeting, August 22, 2021 (remote)
- “Asymmetric water transport in leaf cuticles and cuticle-inspired compositionally graded membranes”
Geneva Colloids, April 9, 2021; Geneva (remote)
- “Mechanochromic polymers based on supramolecular mechanophores”
American Chemical Society National Meeting, April 5, 2021 (remote)
- “Bio-Inspired Polymer Systems”
Seminar, PPC, Chulalongkorn University, March 8, 2021; Bangkok (TH) (remote)
- “New Polymers to Sense and Create Mechanical Action”
NTN Innovative Surfaces Workshop, November 24, 2020; Brugg (remote)
- “Mechanochemistry with Supramolecular Polymers”
Plenary Lecture, PPC & PETROMAT Symposium 2020, July 23, 2020; Bangkok (TH) (remote)
- “Stimuli-Responsive Supramolecular Polymers”
Macromolecular Colloquium Freiburg 2020, February 27, 2020; Freiburg (DE)
- “Stimuli-Responsive Polymer Systems”
16th Pacific Polymer Congress, December 10, 2019; Singapore (SG)
- “Stimuli-Responsive Polymer Systems”
20th RIES Symposium, University of Hokkaido, December 3, 2019; Sapporo (JP)
- “Mechanochromic Polymers made with Supramolecular Mechanophores”
Covestro Distinguished Lecture, Texas A&M University, October 18, 2019; College Station TX (USA)
- “Stimuli-Responsive Polymer Systems”
Covestro Distinguished Lecture, Texas A&M University, October 17, 2019; College Station TX (USA)
- “Stimuli-Responsive Supramolecular Polymers”
Seminar, Department of Chemistry, University of Geneva, June 19, 2019; Geneva

“New Shape-Memory Polymers”
Keynote, Swiss Plastics Cluster, General Assembly, University of Fribourg, April 11, 2019; Fribourg

“Stimuli-responsive supramolecular polymers”
Seminar, BASF, April 9, 2019; Ludwigshafen (DE)

“Mechanically adaptive and adapting polymer systems”
257th American Chemical Society National Meeting, April 3, 2019; Orlando FL (USA)

“Stimuli-responsive supramolecular polymers”
Seminar, PPC, Chulalongkorn University, January 23, 2019; Bangkok (TH)

“Steering the Properties of Stimuli-Responsive Supramolecular Polymer Networks to new Territories”
ICAPPP 2018, December 20, 2018; Bangkok (TH)

“Stimuli-responsive supramolecular polymers”
Seminar, Department of Chemistry, University of Basel, December 5, 2018; Basel

“Stimuli-responsive non-covalent polymer networks”
International Symposium on Functional Soft Material, November 28, 2018; Tianjin (CN)

“Stimuli-responsive supramolecular polymers”
Seminar, Tsinghua University, November 27, 2018; Beijing (CN)

“Stimuli-responsive supramolecular polymers”
Materials Science Seminar Series, Clemson University, October 25, 2018; Clemson SC (USA)

“Mechanochromic Polymers made with Supramolecular Mechanophores”
Plenary Lecture, Int. Symp. on Stimuli-Responsive Materials, October 23, 2018; Windsor CA (USA)

“Stimuli-responsive supramolecular polymers”
EPFL Materials - IMX Seminar Series, September 24, 2018; Lausanne

“Stimuli-responsive non-covalent polymer networks”
256th American Chemical Society National Meeting, August 20, 2018; Boston MA (USA)

“Our Latest Stuff - Stimuli-responsive supramolecular polymers”
Seminar, Dpt. of Macromol. Science & Engineering, CWRU, June 11, 2018; Cleveland OH (USA)

“Bio-inspired stimuli-responsive materials”
SSB & RM Annual Meeting, June 6, 2018; Fribourg

“Polymer mechanochemistry with supramolecular mechanophores”
ICOPS 2018, April 7, 2018; Guangzhou (CN)

“Stimuli-responsive supramolecular polymers”
Seminar Dpt. of Chemistry, Hong Kong University of Sci. and Tech. April 4, 2018; Hong Kong (HK)

“Stimuli-responsive supramolecular polymer networks”
255th American Chemical Society National Meeting, March 21, 2018; New Orleans LA (USA)

“Mechanics of Polymers with Supramolecular Cross-Links”
255th American Chemical Society National Meeting, March 18, 2018; New Orleans LA (USA)

“Shape-Memory Polymers”
Covestro AG, December 12, 2017; Leverkusen (DE)

“Stimuli-Responsive Supramolecular Polymers”
GDCh-Kolloquium, University des Saarlandes, December 11, 2017; Saarbrücken (DE)

“Stimuli-Responsive Supramolecular Polymer Systems”
Polymat Symposium, University of the Basque Country, December 1, 2017; San Sebastian (ES)

“Stimuli-Responsive Supramolecular Polymer Systems”
Seminar, Sherwin-Williams, November 16, 2017; Cleveland OH (USA)

“Stimuli-Responsive Supramolecular Polymer Materials”
Swiss Conference on Supramolecular Polymers, November 6, 2017; Fribourg

“Create, study and apply (stimuli-responsive) polymers with new functions”
PlaMatSu Annual Meeting, September 29, 2017; Fribourg

“Stimuli-Responsive Supramolecular Polymer Systems”
SMYLE Symposium, September 28, 2017; Besancon (FR)

“Polymer nanocomposites with cellulose nanocrystals”
254st American Chemical Society National Meeting, August 22, 2017; Washington DC (USA)

“Polymer Mechanochemistry with Supramolecular Mechanophores”
254st American Chemical Society National Meeting, August 21, 2017; Washington DC (USA)

“Healable Supramolecular Polymers”
Plenary Lecture, 6th Int. Conference on Self-Healing Materials, June 28, 2017; Friedrichshafen (DE)

“Stimuli-Responsive Supramolecular Polymer Systems”
Seminar, Inst. for Molecular Engineering, University of Chicago, March 30, 2017; Chicago IL (USA)

“Stimuli-Responsive Supramolecular Polymer Systems”
Solvay Seminar, Macromol. Innovation Inst., Virginia Tech, March 29, 2017; Blacksburg VA (USA)

“Polymer Nanocomposites for Biomedical Uses”
Seminar, Department of Medicine Research Day, University of Fribourg, March 15, 2017; Fribourg

“Polymer Composites with Cellulose Nanocrystals”
Frontiers in Green Materials Meeting, December 12, 2016; London (UK)

“Bio-Inspired, Mechanically Adaptive and Adapting Polymer Systems”
MRS Fall Meeting, November 29, 2016; Boston MA (USA)

“Stimuli-Responsive Supramolecular Polymers”
Plenary Lecture, Int. Symp. on Stimuli-Responsive Materials, October 25, 2016; Santa Rosa CA (USA)

“Stimuli-Responsive Supramolecular Polymers”
GdCH Seminar, Universität Potsdam, June 20, 2016; Golm (DE)

“Functional Materials Made with Cellulose Nanocrystals”
Keynote, Int. Conf. Nanotech. for Renewable Materials (TAPPI Nano), June 15, 2016; Grenoble (FR)

“Bio-Inspired, Mechanically Adaptive and Responsive Polymer Systems”
GRC Bio-Inspired materials, June 9, 2016; Les Diablerets

“Stimuli-Responsive Supramolecular Polymers”
251st American Chemical Society National Meeting, March 14, 2016; San Diego CA (USA)

“Low-power photon upconversion through triplet-triplet annihilation in nanostructured polymers”
251st American Chemical Society National Meeting, March 13, 2016; San Diego CA (USA)

“Bio-inspired nanocomposites for biomedical applications”
Seminar, EMPA St. Gallen, January 18, 2016; St. Gallen

“Mechanically Adaptive Nanocomposites for Biomedical Applications”
Pacifichem 2015, December 19, 2015; Honolulu HI (USA)

“Low-power photon upconversion through triplet-triplet annihilation in polymeric materials”
Pacifichem 2015, December 15, 2015; Honolulu HI (USA)

“Stimuli-Responsive Metallosupramolecular Polymers”
Pacifichem 2015, December 15, 2015; Honolulu HI (USA)

“Stimuli-Responsive Materials Made with Cellulose Nanocrystals”
Plenary Lecture, Int. Symp. on Stimuli-Responsive Materials, October 26, 2015; Santa Rosa CA (USA)

“Stimuli-Responsive Supramolecular Polymers”
Pirelli SA, October 22, 2015; Milan (IT)

“High-Added-Value Materials with Cellulose Nanocrystals”
BEPS 2015, October 12, 2015; Karlsruhe (DE)

“Stimuli-Responsive Supramolecular Polymers”
Seminar, PPC, Chulalongkorn University, June 12, 2015; Bangkok (TH)

“Stimuli-Responsive Supramolecular Polymers”
Seminar, Department of Chemistry, Chulalongkorn University, June 10, 2015; Bangkok (TH)

“Bio-Inspired Materials based on Cellulose Nanocrystals”
Swiss Nanoconvention, May 28, 2015; Neuchatel

“Stimuli-Responsive Supramolecular Polymers”
Seminar, BASF, May 13, 2015; Ludwigshafen (DE)

“Processing and Properties of Polymer Nanocomposites with Cellulose Nanocrystals”
American Chemical Society National Spring Meeting, April 25, 2015; Denver CO (USA)

“High-Added-Value Materials with Cellulose Nanocrystals”
American Chemical Society National Spring Meeting, April 24, 2015; Denver CO (USA)

“Stimuli-Responsive Hydrogen-Bonded Supramolecular Polymers”
Plenary Lecture, Int. Symp. on Stimuli-Responsive Materials, October 27, 2014; Santa Rosa CA (USA)

2nd Biomimicry Europe Innovation and Finance Summit”
September 4, 2014; Zürich

“Mechanically (And Other) Responsive Polymers”
ERC Grantees Conference, August 28, 2014; Berlin (DE)

“Stimuli-Responsive Hydrogen-Bonded Supramolecular Polymers”
American Chemical Society National Fall Meeting, August 12, 2014; San Francisco CA (USA)

“Stimuli-Responsive Metallo-supramolecular Polymers”
American Chemical Society National Fall Meeting, August 11, 2014; San Francisco CA (USA)

“Stimuli-Responsive (Metallo)Supramolecular Polymers”
MACRO 2014, July 10, 2014, Chiang Mai (TH)

“Polymere Nanoverbundwerkstoffe mit Zellulose Nanofasern”
6. Wädenswiler Chemietag, June 26, 2014; Wädenswil,

“Hydrogen-Bonded Stimuli-Responsive Supramolecular Polymers”
PolyColl Meeting, June 20, 2014; Dübendorf

“Hydrogen-Bonded Stimuli-Responsive Supramolecular Polymers”
Seminar, PPC, Chulalongkorn University, May 20, 2014; Bangkok (TH)

“Stimuli-Responsive Metallo-supramolecular Polymers”
Makromolekulares Kolloquium Freiburg, February 27, 2014; Freiburg (DE)

“Stimuli-Responsive (Metallo)Supramolecular Polymers”
Seminar, Department of Chemistry, University of Liverpool, January 29, 2014; Liverpool (UK)

“Stimuli-Responsive Metallo-supramolecular Polymers”
Seminar, University of Mons, November 28, 2013; Mons (BE)

“Stimuli-Responsive Metallo-supramolecular Polymers”
Seminar, Institute of Inorganic Chemistry, University of Zürich, November 1, 2013; Zürich

“Stimuli-Responsive Metallo-supramolecular Polymers”
Plenary Lecture, Int. Symp. on Stimuli-Responsive Materials, October 20, 2013; Santa Rosa CA (USA)

“Bio-Inspired, Stimuli-Responsive, Mechanically Adaptive Polymer Nanocomposites”
Swiss-Japanese Workshop “Nanoscience”, October 11, 2013; Tsukuba (JP)

“Stimuli-Responsive Supramolecular Polymers”
2nd Precision Polymer Materials (P2M) Conference, August 27, 2013; Ghent (BE)

“Exploiting Non-Covalent Interactions for the Design of Stimuli-Responsive Polymers”
IRTG Seminar, University of Freiburg, June 26, 2013; Freiburg (DE)

“Healing Polymers with Light and other Stimuli”
Seminar, PPC, Chulalongkorn University, May 20, 2013; Bangkok (TH)

“Stimuli-Responsive Polymers based on Noncovalent Interactions”
Seminar, Jiao Tong University, May 8, 2013; Shanghai (CN)

“Stimuli-Responsive Polymers based on Noncovalent Interactions”
48th Bürgenstock Conference, May 2, 2013; Brunnen

“Mechanically Adaptive Nanocomposites”
American Chemical Society National Spring Meeting, April 9, 2013; New Orleans LA (USA)

“From Light-Polarizing Films to Mechano-Healable Polymers”
American Chemical Society National Spring Meeting, April 8, 2013; New Orleans LA (USA)

“Bio-Inspired, Stimuli-Responsive, Mechanically Adaptive Polymers for Cortical Electrodes”
MRS Spring Meeting 2013, April 3, 2013; San Francisco CA, (USA)

“Exploiting Non-Covalent Interactions for the Design of Stimuli-Responsive Polymers”
GDCh Seminar, University of Bayreuth, January 24, 2013; Bayreuth (DE)

“Exploiting Non-Covalent Interactions for the Design of Stimuli-Responsive Polymers”
Seminar, Nolax AG, January 14, 2013; Sempach

“Stimuli-Responsive Polymers based on Noncovalent Interactions”
IPC 2012, December 11-14, 2012; Kobe (JP)

“Exploiting Supramolecular Interactions for the Design of Functional Polymers”
Seminar, Waseda University, Department of Chemistry, December 10, 2012; Tokyo (JP)

“Bio-Inspired, Stimuli-Responsive, Mechanically Adaptive Polymer Nanocomposites”
Plenary Lecture, GFP Grenoble, November 19-22, 2012; Grenoble (FR)

“Mechanically Adaptive Polymer Nanocomposites”
Jülich Soft Matter Days, November 14-16, 2012; Jülich (DE)

“Stimuli-Responsive Polymers Based on Non-Covalent Interactions”
DPI Annual Meeting, November 13, 2012; Zeist (NL)

“Exploiting Noncovalent Interactions for the Design of Stimuli-Responsive Polymers”
Seminar, Henkel, European Scientific Advisory Board Meeting, October 15, 2012; Düsseldorf (DE)

“Mechanically Adaptive Polymer Nanocomposites for Biomedical Applications”
Plenary Lecture, Biannual Meeting GDCh Div. Macromol. Chem., October 7-9, 2012; Mainz (DE)

“Stimuli-Responsive Polymers Based on Non-Covalent Interactions”
BASF Research Seminar, September 23-26, 2012; St. Martin (DE)

“Nanocomposites with Cellulose Nanocrystals”
SAMPE SETEC 2012, September 19 2012; Lucerne

“Polymer Nanocomposites with Cellulose Nanocrystals”
IUPAC World Polymer Congress, June 25, 2012; Blacksburg VA (USA)

“Exploiting Noncovalent Interactions for the Design of Stimuli-Responsive Polymers”
IUPAC World Polymer Congress, June 25, 2012; Blacksburg VA (USA)

“Exploiting Noncovalent Interactions for the Design of Functional Polymers”
Seminar, University of Pisa, June 15, 2012; Pisa (IT)

“Mechanically Adaptive Polymer Nanocomposites for Biomedical Implants and Other Applications”
CIMTEC 2012, June 14, 2012; Montecatini (IT)

“Polymer Nanomaterials with Unusual Optical Properties”
Seminar, Seminar, PPC, Chulalongkorn University, May 24, 2012; Bangkok, Thailand

“Bio-Inspired, Mechanically Adaptive Nanocomposites for Biomedical Implants”
American Chemical Society National Spring Meeting, March 25-29, 2012; San Diego CA (USA)

“Controlling the Properties of Mechanically Adaptive Polymer/Nanocellulose Composites”
American Chemical Society National Spring Meeting, March 25-29, 2012; San Diego CA (USA)

“Noncovalent Interactions as a Design Tool for Smart Polymers”
Seminar, Technical University of Eindhoven, November 23, 2011; Eindhoven (NL)

“Bio-Inspired, Mechanically Adaptive Nanocomposites”
Plenary Lecture, Int. Symp. Stimuli-Responsive Materials, October 25, 2013; Hattiesburg MS (USA)

“Polymer Nanocomposites with Cellulose Nanocrystals”
American Chemical Society National Fall Meeting, September 1, 2011; Denver CO (USA)

“Optically Responsive Metal-Containing Polymers”
American Chemical Society National Fall Meeting, August 29, 2011; Denver CO (USA)

“Noncovalent Interactions as a Design Tool for Functional Polymers”
Gordon Research Conference Polymers, June 12, 2011; South Hadley MA (USA)

“Noncovalent Interactions as a Design Tool for Functional Polymers”
Keynote Lecture 60th SPSJ Meeting, May 26, 2011; Osaka (JP)

“Stimuli-Responsive Nanomaterials with Functional Organic Dyes”
Seminar, University of Tokyo, Dept. of Chemistry; May 24, 2011; Tokyo (JP)

“Supramolecular Interactions as a Design Tool for Functional Polymers”
Seminar, PPC, Chulalongkorn University, May 16, 2011; Bangkok (TH)

“Exploiting Supramolecular Interactions for the Design of Smart Polymers”
Jahrestagung Ehemaliger Chemie- und Biochemiestudenten; May 7, 2011; Fribourg

“Exploiting Noncovalent Interactions for the Design of Functional Polymers”
PolyColl 2011; April 29, 2011; Geneva

“Bio-inspired mechanically-adaptive polymer/cellulose nanofiber nanocomposites”
American Chemical Society National Spring Meeting; March 28, 2011; Los Angeles CA (USA)

“Funktionelle Polymere und Nanocomposite”
Swiss Engineering, Fachgruppe Kunststofftechnik, March 22, 2011, Fribourg

“Bio-inspired, mechanically adaptive polymer nanocomposites”
Makromolekulares Kolloquium Freiburg, February 25, 2011, Freiburg (DE)

“How to teach polymers new tricks”
Micronarc Industrial Forum, November 10, 2010, Fribourg

“Stimuli-Responsive Nanomaterials through Integration of Dyes into Nanostructured Environments”
Plenary Lecture, Int. Symp. Stimuli-Responsive Materials, October 25, 2010; Hattiesburg MS (USA)

“Bio-inspired mechanically-adaptive polymer/cellulose nanocomposites”
BiMaC Innovation, KTH Stockholm, September 26, 2010, Stockholm (SE)

“New Functional Polymers”
Seminar, Sika AG; September 14, 2010, Zürich

“Bio-inspired mechanically-adaptive polymer/cellulose nanocomposites”
TechConnect World, June 22, 2010, Anaheim CA (USA)

“Current Trends in Polymer-Based Nanomaterials”
Seminar, Firmenich; June 14, 2010; Geneva

“Bio-Inspired Mechanically-Adaptive Nanocomposites”
Seminar, PPC, Chulalongkorn University, May 17, 2010; Bangkok (TH)

“Polymer Nanomaterials for Biomedical Applications”
Seminar, Kantonsspital Fribourg; May 6, 2010; Fribourg

“Current Trends in Polymer-Based Nanomaterials”
Seminar, BASF; April 8, 2010; Ludwigshafen, Germany

“Bio-Inspired Mechanically-Adaptive Nanocomposites”
American Chemical Society National Spring Meeting; March 22, 2010; San Francisco CA (USA)

“Funktionelle Polymere für Biomedizinische Anwendungen”
Swiss Plastics 2010; January 19, 2010; Luzern

“Functional Polymer Blends and Nanocomposites”
Keynote Lecture, Assemblée Generale Réseau Plasturgie, November 18, 2009; Fribourg

“Mechanically Adaptive Polymer Nanocomposites”
Seminar, University of Marburg; November 16, 2009; Marburg, (DE)

“Mechanically Adaptive Polymer Nanocomposites”
Keynote Lecture, Bayer MaterialScience Symposium 2009; November 6, 2009; Pittsburg PA (USA)

“Polymer Chameleons”
Plenary Lecture, Int. Symp. Stimuli-Responsive Materials, October 28, 2009; Hattiesburg MS (USA)

“Mechanically Adaptive Polymer Nanocomposites”
CSEM; September 18, 2009; Neuchatel

“Mechanically Adaptive Polymer Nanocomposites”
Trends in Nanotechnology TNT 2009; September 10, 2009; Barcelona (ES)

“Supramolecular Metallopolymers”
Seminar, PPC, Chulalongkorn University, May 20, 2009; Bangkok (TH)

“Temperature and Deformation Sensors for Polymer Films”
TAPPI Place Symp. on Nanomaterials for Flexible Packaging, April 30, 2009; Columbus OH (USA)

“Mechanically-Dynamic Polymer Nanocomposites”
American Chemical Society National Spring Meeting; March 25, 2009; Salt Lake City UT (USA)

“Cellulose-Polymer Nanocomposites: Processing Self-Assembled Templates”
American Chemical Society National Spring Meeting; March 25, 2009; Salt Lake City UT (USA)

“Mechanically-Dynamic Polymer Nanocomposites”
Smart Coatings 2009, February 25-27, 2009; Orlando FL (USA)

“Mechanically-Dynamic Polymer Nanocomposites”
Seminar, University of Akron, Dept. of Polymer Engineering, February 6, 2009; Akron OH (USA)

“Noncovalent Interactions as a Design Tool for Functional Polymers”
Seminar, Dept. of Polym. Sci., U. Southern Mississippi, January 29, 2009; Hattiesburg MS (USA)

“Stimuli-Responsive Polymer Nanocomposites”
Université de Fribourg, November 13, 2008; Fribourg

“Stimuli-Responsive Polymer Nanocomposites”
Plenary Lecture, Int. Symp. Stimuli-Responsive Materials, November 28, 2008; Hattiesburg MS (USA)

“Stimuli-Responsive Epoxy Coatings”
Seminar, Alcoa Technical Center, July 2, 2008; Pittsburgh PA (USA)

“Excimer-Forming Fluorescent Dyes as Sensors”
Seminar, PPC, Chulalongkorn University, May 16, 2008; Bangkok (TH)

“Excimer-Forming Fluorescent Dyes as Sensors”
American Chemical Society National Spring Meeting, April 6 – 10, 2008; New Orleans LA (USA)

“Stimuli-Responsive Polymer Nanocomposites”
IIMM3, March 27, 2008; Santa Rosa, CA (USA)

“Noncovalent Interactions as a Design Tool for Functional Polymers”
Seminar, Dept. of Chemistry, University of Tokyo, December 14, 2007; Tokyo (JP)

“Metallosupramolecular Conjugated Polymers”
3rd Int. Symp. on Chemistry of Coordination Space, December 9-12, 2007; Awaji, Hyogo (JP)

“Noncovalent Interactions as a Design Tool for Functional Polymers”
Seminar, Dept. of Chemistry, Princeton University, November 29, 2007; Princeton NJ (USA)

“Cellulose-Based Nanocomposites”
Composites at Lake Louise; October 28 – November 2, 2007; Lake Louise (CA)

“Stimuli-Responsive Photoluminescent Polymer Blends”
Seminar, Valspar, October 18, 2007; Pittsburgh PA (USA)

“Stimuli-Responsive Photoluminescent Polymer Blends”
MAF 10, September 9 – 12, 2007; Salzburg (AT)

“Nanocomposites based on conjugated polymers and rodlike nanoparticles”
American Chemical Society National Fall Meeting, August 19 – 23, 2007; Boston MA (USA)

“Metallosupramolecular Conjugated Polymers”
American Chemical Society National Fall Meeting, August 19 – 23, 2007; Boston MA (USA)

“Polymer Nanocomposites with Rod-Like Nanoparticles”
Seminar, PPC, Chulalongkorn University, May 16, 2007; Bangkok (TH)

“Functional Polymer Design: Creating Materials with Tailored Opto/Electronic Properties”
Special VINSE Seminar, Vanderbilt University, April 16, 2007; Nashville TN (USA)

“Nanocomposites based on Cellulose Whiskers and (Semi)Conducting Polymers”
MRS 2007 Spring Meeting, April 9 – 13, 2007; San Francisco CA (USA)

“Conducting Polymer-Cellulose Nanocomposites”
American Chemical Society National Spring Meeting, March 25 – 29, 2007; Chicago IL (USA)

“Polymers and Dyes”
Emerging Technology Forum, March 1, 2007; Mt. Vernon OH (USA)

“Polymer Chameleons: Smart Materials with Built-In Deformation and Temperature Sensors”
Smart Coatings 2007, February 21-23, 2007; Orlando FL (USA)

“Polymer Chameleons: Smart Materials with Built-In Deformation and Temperature Sensors”
Seminar, University of Rhode Island, February 12, 2007; Kingston RI (USA)

“Functional Polymer Design: Creating Materials with Tailored Opto/Electronic Properties”
Seminar, TOYOBO Research Center, February 1, 2007; Katata (JP)

“Polymer Chameleons: Materials with Built-In Deformation and Temperature Sensors”
Seminar, NASA Glenn Research Center, November 29, 2006; Cleveland OH (USA)

“Metallo-supramolecular Conjugated Polymers”
American Chemical Society National Fall Meeting, September 12, 2006; San Francisco CA (USA)

“New Polymers with Tamper-Evidencing and Time-Temperature Sensing Capabilities”
Seminar, Procter and Gamble Co., August 23, 2006; Cincinnati OH (USA)

“Supramolecular Metallopolymers”
Seminar, PPC, Chulalongkorn University, May 16, 2006; Bangkok (TH)

“Functional Polymer Design: Creating Materials with Tailored Opto/Electronic Properties”
Seminar, Montanuniversität Leoben, May 2, 2006; Leoben (AT)

“New Packaging Materials with Tamper-Evidencing and Time-Temperature Sensing Capabilities”
Honeycomb Internet Presentation, April 10, 2006

“Self-Assessing Photoluminescent Polyurethanes and other Polymer Chameleons”
Seminar, Bayer MaterialScience, March 1, 2006; Pittsburgh PA (USA)

“Functional Polymer Design: Creating Materials with Tailored Opto/Electronic Properties”
Seminar, Wright State University, February 3, 2006; Dayton OH (USA)

“Polymer Chameleons: Materials with Built-In Deformation and Temperature Sensors”
Seminar, Alcoa, February 1, 2006; Pittsburgh PA (USA)

“Polymer Chameleons: Materials with Built-In Deformation and Temperature Sensors”
Nanoapp Summit, October 17 – 19, 2005; Cleveland OH (USA)

“Supramolecular Conjugated Organic/Inorganic Hybrid Polymers”
Seminar, Army Research Lab., Aberdeen Proving Grounds; October 12, 2005; Aberdeen, MD (USA)

“Smart Polymers with Built-In Deformation and Temperature Sensors”
American Chemical Society National Fall Meeting, August 29, 2005; Washington DC (USA)

“Synthesis and Properties of Conjugated Polymer Networks”
Seminar, PPC, Chulalongkorn University, May 18, 2005; Bangkok (TH)

“Functional Polymer Design: Creating Materials with Tailored Opto/Electronic Properties”
Seminar, Carnegie Mellon University, April 28, 2005; Pittsburgh PA (USA)

“Smart Polymers – Illuminating Solutions”
Panel Discussion at Research Showcase, April 7, 2005; CWRU, Cleveland OH (USA)

“Synthesis, Processing and Properties of Conjugated Polymer Networks”
American Chemical Society National Spring Meeting, March 15, 2005; San Diego LA (USA)

“Functional Polymer Design: Creating Polymers with Tailored Opto/Electronic Properties”
University of Basel, February 7, 2005; Basel

“Deformation and Temperature Sensors with Excimer-Forming Fluorescent Dyes and Polymers”
16th Inter-American Photochem. Soc. Winter Conf., January 6-9, 2005; Clearwater Beach FL (USA)

“Deformation and Temperature Sensors with Excimer-Forming Fluorescent Dyes and Polymers”
OPSC Emerging Technology Forum, November 17, 2004; Cleveland OH (USA)

“Functional Polymer Design: Creating Polymer Materials with Tailored Opto/Electronic Properties”
Seminar, SUNY Fredonia, September 16, 2004; Fredonia NY (USA)

“Functional Polymer Design: Creating Polymer Materials with Tailored Opto/Electronic Properties”
Seminar, Rochester Institute of Technology, September 15, 2004; Rochester NY (USA)

“Synthesis, Processing, and Properties of Conjugated Polymer Networks”
Keynote, Symp. Cond. Polymers & Electro-Optics (PPS 20), June 20-24, 2004; Akron OH (USA)

“Designing Functional Pi-Electron Systems”
Plenary, 6th Int. Symp. Funct. Pi-Systems, June 14-18, 2004; Cornell University, Ithaca NY (USA)

“Functional Polymer Blends: Creating Polymer Materials with Tailored Properties”
Seminar, PPC, Chulalongkorn University, May 14, 2004; Bangkok (TH)

“Functional Polymer Design: Creating Polymer Materials with Tailored Properties”
Seminar, Bowling Green State University, November 19, 2003; Bowling Green OH (USA)

“Functional Polymer Design: Creating Polymer Materials with Tailored Properties”
Seminar, University of Akron, October 30, 2003; Akron OH (USA)

“Functional Polymer Design: Creating Polymer Materials with Tailored Properties”
Seminar, Swiss Federal Institute for Materials Testing (EMPA), October 15, 2003; Dübendorf

“Functional Polymer Design: Creating Polymer Materials with Tailored Properties”
Seminar, Ciba Specialty Chemicals, October 1, 2003; Tarrytown NY (USA)

“Synthesis and properties of carbon-rich organometallic polymer networks”
American Chemical Society National Fall Meeting; September 7 - 11, 2003; New York NY (USA)

“Functional Polymer Design: Creating Polymer Materials with Tailored Properties”
Seminar, PPC, Chulalongkorn University, May 14, 2003; Bangkok (TH)

“Functional Polymer Design: Creating Polymer Materials with Tailored Properties”
Seminar, Kent State University, May 1, 2003; Kent OH (USA)

“Functional Polymer Blends”
NSF Workshop, University of Rochester, April 28-30, 2003; Rochester NY (USA)

“Functional Polymer Design: Creating Polymer Materials with Tailored Properties”
Young Professor Lecture, DuPont Experimental Station, February 25, 2003; Wilmington DE (USA)

“Functional Polymer Design: Creating Polymer Materials with Tailored Properties”
Iger Lecture, Dept. of Chemistry, U. Michigan, January 17, 2003; Ann Arbor MI (USA)

“Functional Polymer Design: Creating Polymer Materials with Tailored Properties”
Seminar, 3M Corporation, December 11, 2002; St. Paul MN (USA)

“High Charge Carrier Mobility in Conjugated Organometallic Polymer Networks”
American Chemical Society Southeast Regional Meeting, November 13 - 16, 2002; Charleston, SC

“Functional Polymer Design: Creating Polymer Materials with Tailored Properties”
Condensed Matter Seminar, Depart. of Physics, CWRU, October 28, 2002; Cleveland OH (USA)

“Functional Polymer Design: Creating Electro-Optic Polymer Materials with Tailored Properties”
Seminar, Dept. of Materials Science, CWRU, January 29, 2002; Cleveland OH (USA)

“Functional Polymer Design: Creating Electro-Optic Polymer Materials with Tailored Properties”
Seminar, Promerus Corporation, November 29, 2001; Brecksville OH (USA)

“Functional Polymer Design: Creating Electro-Optic Polymer Materials with Tailored Properties”
Seminar, Wright Patterson Air Force Base, October 23, 2001; Dayton OH (USA)

“Light-Emitting Polymer Displays and More”
Seminar, Hitachi Ltd. Research Laboratory, March 7, 2001; Hitachi-shi, (JP)

“Polarizing Light with Polymers”
1st Int. Conference on Molecular Electronics and Bioelectronics, March 6, 2001; Hyogo (JP)

“Neue Licht polarisierende Polymersysteme”
Makromolekulares Kolloquium, February 24, 2001 Freiburg (DE)

“Functional Polymer Synthesis: Past present and Future”
Seminar, DSM Research, July 4, 2000; Geleen (NL)

“Functional Polymer Synthesis: Creating Polymer Materials with Tailored Properties”
Seminar, Dept. of Pharmacy, ETH Zürich, June 30, 2000; Zürich

“Functional Polymer Synthesis: Past present and Future”
Seminar, Dept. of Macromolecular Science, CWRU; May 4, 2000; Cleveland OH (USA)

“Synthese, Verarbeitung und Anwendung orientierter konjugierter Polymersysteme”
Seminar, Dept. of Chemistry, University of Mainz, April 13, 2000; Mainz (DE)

“Functional Polymer Synthesis: Creating Polymer Materials with Tailored Properties”
Seminar, Dept. of Chemistry, University of Chicago, March 31, 2000; Chicago IL (USA)

“Functional Polymer Synthesis: Creating Polymer Materials with Tailored Properties”
Seminar, Dept. of Macromolecular Science, CWRU; March 29, 2000; Cleveland (USA)

“Oriented Conjugated Polymers: Processing and Application”
American Chemical Society National Spring Meeting, March 26 - 31, 2000; San Francisco CA (USA)

“Synthese Neuer Funktionspolymere”
Seminar, Dept. of Chemistry, University of Düsseldorf, February 16, 2000; Düsseldorf (DE)

“Oriented Conjugated Polymers: Processing and Application in Display Devices”
23rd Asilomar Conference on Polymers, February 6-9, 2000; Pacific Grove CA (USA)

“Functional Polymer Synthesis: Creating Polymer Materials with Tailored Properties”
Melville Lecture, Dept. of Chemistry, Cambridge U., January 20, 2000; Cambridge (UK)

“Synthese Neuer Funktionspolymere”
Seminar, Dept. of Chemistry, University of Marburg, December 6, 1999; Marburg (DE)

“Oriented Conjugated Polymers: Processing and Application in Display Devices”
Gordon Research Conference, Organic Thin Films, July 11-16, 1999; Newport RI (USA)

“Polarizing Energy Transfer in Photoluminescent Polymer Systems: Materials and Applications”
European Material Conference (EMRS) Spring Meeting, June 1-4, 1999; Strasbourg (FR)

“Polymer-Based Systems for Advanced Optical Applications”
Bayreuth Polymer & Materials Research Symposium, April 11-13, 1999; Bayreuth (DE)

“Polarizing Light with Polymers”
CEA Grenoble, February 16, 1999; Grenoble (FR)

“Polarizing Light with Polymers: Photoluminescent Display Devices”
EID 1998, November 17-19 1998; Esher (UK)

“Oriented Conjugated Polymers: Processing and Application in Photoluminescent Display Devices”
Keynote Lecture, Polymer 1998, September 11, 1998; Brighton (UK)

“Polarizing Light with Polymers”
Seminar, Ciba Specialty Chemicals, June 2, 1998; Basel

“New Photoluminescent Display Devices”
Seminar, Depts. of Mat. Sci. Eng. and Chemistry, UCLA, April 10, 1998; Los Angeles CA (USA)

“Polarizing Energy Transfer in Photoluminescent Materials for Display Applications”
Seminar, Dept. of Mat. Sci. Eng., MIT, April 6, 1998; Cambridge MA (USA)

“New Photoluminescent Display Devices”
Seminar, Dept. of Mat. Sci. Eng., Northwestern University, April 3, 1998; Chicago IL (USA)

“Incorporation of Photoluminescent Polarizers into Liquid Crystal Displays”
Seminar, Dept. of Mat. Sci. Eng., University of Delaware, March 25, 1998; Wilmington DE (USA)

“Nylons with Extended Aliphatic Segments”
Seminar, Solutia Inc., March 23, 1998; Pensacola FL (USA)

“Photo- and Electroluminescence in Poly(*p*-phenylene ethynylene)s”
Bayreuth Polymer & Materials Research Symposium, April 7-9, 1997; Bayreuth (DE)

Contributed (12 total):

“Reinforcement of polymers with a cellulose nanocrystal types with different aspect ratios”
American Chemical Society National Spring Meeting, March 16, 2016; San Diego CA (USA)

“Synthesis, Processing and Properties of Conjugated Polymer Networks”
American Chemical Society National Spring Meeting, March 13 - 17, 2005; San Diego CA (USA)

“Creating Polymer Chameleons – Smart Blends with Self-Assessing Capabilities”
American Chemical Society National Spring Meeting, March 13 - 17, 2005; San Diego CA (USA)

“Synthesis and properties of cross-linked conjugated polymers”
American Chemical Society National Fall Meeting, September 7 - 11, 2003; New York NY (USA)

“Synthesis and properties of cross-linked conjugated polymers”
 American Chemical Society National Fall Meeting, September 7 - 11, 2003; New York NY (USA)

“Synthesis and properties of conjugated polymer networks formed by non-covalent interactions”
 American Chemical Society National Spring Meeting, March 23 - 27, 2003; New Orleans LA (USA)

“Oligo(*p*-phenylene vinylene) excimers as molecular probes”
 American Chemical Society National Spring Meeting, March 23 - 27, 2003; New Orleans LA (USA)

“Efficient Photoluminescent Polarizers based on Polarizing Energy Transfer”
 MRS Spring Meeting, April 13-17, 1998; San Francisco CA (USA)

“New Photoluminescent Display Devices”
 American Chemical Society National Spring Meeting, March 29 - April 2, 1998; Dallas TX (USA)

“Novel Liquid Crystal Display Devices Based on Photoluminescent Polymer Films”
 MRS Fall Meeting, December 1-5, 1997; Boston MA (USA)

“Solid State Structure and Properties of Poly(2,5-dialkoxy-*p*-phenylene ethynylene)s”
 MRS Fall Meeting, November 27-December, 1995; Boston MA (USA)

“A New Approach to the Design of Polymers with Large and Stable Nonlinear Optical Properties”
 MRS Fall Meeting, November 28 - December 2, 1994; Boston MA (USA)

Other Public Speeches (*Since 2014*):

“Inspiration Natur”
 Vernissage, Exhibit Inspiration Natur(e), Naturhistorisches Museum, October 12, 2018; Fribourg

"Intelligente Materialien"
 Nacht der Museen, University of Fribourg, AMI, May 26, 2018; Fribourg

“Nanomaterialien”
 Rotarier Club Freiburg-Sense, March 22, 2017; Düringen

“Faszinierende Welt der Nanomaterialien”
 Volkshochschule Zürich, February 7, 2017; Zürich

“Nano?!”
 Kickoff speech, panel “Nano“, Expo Nano / NRP 64, January 14, 2016; High School Enge, Zurich

“Patent it!”
 Interdisciplinary Training for Young Scientists, NRP 64, November 4, 2015; Berne

“En quoi et comment les études gymnasiales peuvent-elles le mieux préparer les futurs universitaires, les futurs chercheurs?”
 Conférence des directeurs de gymnases de Suisse romande et du Tessin, September 17, 2015; Fribourg

“Innovation and Academic Research”
 Innovation et créativité, Cérémonie de départ pour Recteur Guido Vergauwen, May 18, 2015; Fribourg

“Reise ins Herz der Materie”
 Plenary Lecture, Apéro of the Alumni of the University of Fribourg, October 23, 2014; St. Gallen

“Reise ins Herz der Materie”
 Plenary Lecture, 125 Jubilee of the University of Fribourg, September 28, 2014, Fribourg

“Interdisziplinarität in Forschung und Lehre”
 Keynote Lecture, Kick-off Meeting for all Teachers, Lycée St. Croix, September 5, 2011; Fribourg

“Les matériaux intelligents du futur”
 Friburgissima, September 27, 2010, Fribourg, Switzerland