

MATERIALS RESEARCH OUTREACH SYMPOSIUM, 2026: SCHEDULE

Day 1: Wednesday January 28th, 2026

Location: Corwin Pavilion, UCSB

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| 8:45 am | Opening Remarks by College of Engineering Dean Umesh Mishra | |
| Session Chair: Angela Pitenis | | |
| 9:00 am | Professor Grace Han | Photoswitching for Energy Storage and Release: From Concept to High Energy Density Fuels |
| 9:30 am | Katie Shaffer | Deciphering Structure from Blurred Interfaces with Neutron Reflectometry |
| 10:00 am | Break | |
| Session Chair: Vojtěch Vlček | | |
| 10:30 am | Professor Frank Bates | What to do with Plastics? |
| 11:00 am | Jerrick Edmund | Impact of Charge Placement on Polymer Blend Compatibilization |
| 11:30 am | Professor Simon Billinge | Synthesis: A Graph of Unfortunate Events? |
| 12:00 noon | Lunch | |
| Session Chair: Javier Read de Alaniz | | |
| 1:30 pm | Devon Callan | Modeling the Reversible Copolymerization of Degradable Polymers |
| 2:00 pm | Komal | Locking Local Motion with Diels–Alder Chemistry: Hard and Soft Material Design |
| 2:30 pm | Break | |
| Session Chair: Chris Bates | | |
| 3:00 pm | Professor Charlotte Williams, Oxford | Cheetham Lecture: Insights into Selective Polymerization and Depolymerization Catalysis to Prepare Block Oxygenated Polymers |
| 4:15 pm | Posters and Reception | |

Day 2: Thursday January 29th, 2026
 Location: Corwin Pavilion, UCSB
 A Symposium Celebrating Nobel Laureate Alan Heeger's 90th Birthday,
 co-organized with the Center for Polymers and Organic Solids at UC Santa Barbara

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| 8:45 am | Opening Remarks by MLPS Dean Shelly Gable and Alan Heeger | |
| Session Chair: Thuc-Quyen Nguyen | | |
| 9:00 am | Professor Sir. Richard Friend, Cambridge University | Spin Radical Semiconductors |
| 9:20 am | Professor Yong Cao, SCUT, China | Novel Optoelectronic Polymers and Devices |
| 9:40 am | Professor Jean-Luc Bredas, University of Arizona | Bulk-Heterojunction Organic Solar Cells: Thirty Years Later |
| 10:00 am | Break | |
| Session Chair: Andrea Carlini | | |
| 10:30 am | Dr. Peter Heeger, Cedars-Sinai Medical Center | Translating Immunology Research to Improving Kidney Transplant Outcomes |
| 10:50 am | Professor Zhenan Bao, Stanford University | From Conducting Polymers to Skin-Inspired Electronics |
| 11:10 am | Professor Guillermo Bazan, NTU | Conjugated Oligoelectrolytes: A Versatile Platform for Membrane Modifications |
| 11:30 am | Professor David Heeger, NYU | Neural Circuit Theory |
| 12:00 noon | Lunch | |
| Session Chair: Renaud Demadrille | | |
| 1:30 pm | Professor Yongfang Li, CAS | Narrow Bandgap Organic Acceptors for Organic Solar Cells |
| 1:50 pm | Professor Rene Janssen, Eindhoven University of Technology, The Netherlands | On Polymers and Perovskites – A Journey of Chemistry and Physics |
| 2:10 pm | Professor Christoph Brabec, FAU Erlangen-Nürnberg, Germany | Discovering Functional π -Conjugated Materials Tailored to Applications |
| 2:30 pm | Break | |
| Session Chair: Grace Han | | |
| 3:00 pm | Professor Natalie Stingelin, Georgia Tech | Navigating the Dopant:Host Phase Space to Rationalize Chemical Doping of Semiconducting Polymers: A Journey from Excitons, Polarons to Trions |
| 3:20 pm | Professor Steven Kivelson, Stanford University | From Solitons in Polyacetylene to Spinons in a Quantum Spin Liquid |
| 3:40 pm | Professor Jian Pei, Peking University | Light-triggered Regionally Controlled n-Doping of Organic Materials |
| 4:00 pm | Professor Serdar Sarciftci, Johannes Kepler University Linz, Austria | Solar Energy Conversion using Organic, Conjugated Materials: From Photovoltaics towards Solar Fuels |
| 4:20 pm | Professor Kwanghee Lee, GIST, Korea | Next Generation Photovoltaics for BIPV Applications |
| 4:40 pm | Professor Fred Wudl | Closing remarks |