



ENTROPY:

The “Secret Sauce” in Materials Engineering?

Friday, April 10, 2026

TECHNICAL PROGRAM

Richard Weeks Hall of Engineering Lecture Hall 102

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| 1:30 p.m.–1:35 p.m. | Introductory Comments
Ben Fasano
CANJ President
IBM/GlobalFoundries (retired) |
| 1:35 p.m.–2:15 p.m. | High-entropy Fracture: Towards High-Toughness Ceramics
Ryan Sills
Professor, Materials Science and Engineering
Rutgers School of Engineering |
| 2:15 p.m.–2:55 p.m. | Using Entropy to Stabilize Unique (and useful) Grain Boundary States
Tim Rupert
Professor, Materials Science and Engineering
Johns Hopkins University |
| 2:55 p.m.–3:15 p.m. | Scholarship Awards
Koray Akdoğan
Undergraduate Director, Department of Materials Science and Engineering
Rutgers School of Engineering |
| 3:15 p.m.–3:35 p.m. | Break |
| 3:35 p.m.–4:20 p.m. | The Role of Entropy and Complexity in Materials Science: Microstructure and Properties
Jeffrey Rickman
Professor, Materials Science and Engineering
Lehigh University |
| 4:20 p.m.–4:30 p.m. | Welcome
Alberto Cuitiño
Dean
Rutgers School of Engineering |
| 4:30 p.m.–5:30 p.m. | MGM McLaren Distinguished Lecture
Novel Processing of Entropy Stabilized and Compositionally Complex Materials
Helen Chan
New Jersey Zinc Professor of Materials Science and Engineering
Lehigh University |

RECEPTION AND POSTER SESSION

Busch Faculty Dining Hall

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| 6:00 p.m.–7:30 p.m. | Reception and Poster Competition |
| 7:30 p.m.–8:00 p.m. | Awards: MGM Distinguished Speaker, Poster Winners |