

F-2 & F-3 Forums on Materials Education Strategies for a Rapidly Changing World & Developing a Collaborative Materials Education Network
Keynote-25 min/Invited-20 min/

| Keynote/Invited | Presentation NO | Presentation date | Time to start | Time to finish | Presenter: First name | Presenter: Middle name | Presenter: FAMILY NAME | Presenter: Affiliation | Abstract title |
|---|-----------------|-------------------|---------------|----------------|------------------------------------|------------------------|------------------------|--|---|
| EDF-1 "Materials Education Challenges" Chairperson: (Jim Williams, Australian National University) | | | | | | | | | |
| Invited | EDF-001 | 26 Sep. | 9:00 | 9:30 | John | EE | Baglin | IBM Almaden Research Center,USA | The Science Education Challenge: What is Working, and What is Not? |
| Keynote | EDF-002 | 26 Sep. | 9:30 | 10:00 | Robert | P H | Chang | Northwestern University, USA | The Three Legs of a 21st Century STEM Stool |
| Coffee break | | | 10:00 | 10:30 | | | | | |
| EDF-2 "Materials Education - Innovative Programs" Chairperson: (John Baglin, IBM Almaden Research Center) | | | | | | | | | |
| Keynote | EDF-004 | 26 Sep. | 10:30 | 11:00 | Osama | O | Amadlkarim | The Pennsylvania State University, USA | Integrating Nanotechnology into Education at Many Levels: The U.S. Experience |
| Keynote | EDF-005 | 26 Sep. | 11:00 | 11:30 | Christina | | Sweeney | Northwestern University,USA | Benchtup Nanoscale Experiments |
| Keynote | EDF-006 | 26 Sep. | 11:30 | 12:00 | Nobuyuki | | Sano | University of Tsukuba,JAPAN | A New Departure in Graduate Program with TIA-nano at University of Tsukuba |
| Lunch | | | 12:00 | 13:30 | | | | | |
| EDF-3 "Workshop to Plan Global Materials Education Network" Chairperson: (R.P.H. Chang, Northwestern University) | | | | | | | | | |
| <i>Introduction</i> | | 26 Sep. | 13:30 | 13:35 | <i>Robert</i> | <i>P H</i> | <i>Chang</i> | Northwestern University, USA | <i>Outline for Planning Workshop on Global Materials Education Network</i> |
| Keynote | EDF-007 | 26 Sep. | 13:35 | 14:05 | Luis | E | Fuentes-Cobas | Advanced Materials Research Centre, Mexico | All-Terrain Science Education: The Materials World Modules in Mexico |
| Keynote | EDF-008 | 26 Sep. | 14:05 | 14:35 | Gyu | Tae | Kim | Korea University, Korea | e-Education of Nanotechnology in Korea: eNanoschool |
| Keynote | EDF-009 | 26 Sep. | 14:35 | 15:05 | Riko | | Ozao | SONY Institute for Higher Education, Japan | Education Programs in SONY Institute of Higher Education, Shohoku College |
| Coffee break | | | 15:05 | 15:15 | | | | | |
| Keynote | EDF-010 | 26 Sep. | 15:15 | 15:40 | Tim | | White | Australian National University, Australia | A National Approach to Education in Microscopy for Materials Science |
| Keynote | EDF-011 | 26 Sep. | 15:40 | 16:05 | Daryush | | ILA | Fayetteville State University, USA | Ion Beam-Materials Education and Training at the Fayetteville State University |
| Keynote | EDF-012 | 26 Sep. | 16:05 | 16:30 | Ralph | P | Cooney | The University of Auckland, NZ | The Materials Accelerator: Industry-Researcher Partnerships |
| Keynote | EDF-013 | 26 Sep. | 16:30 | 16:55 | Jim | S | Williams | Australian National University, Australia | The Importance of Australian Research Networks in Materials and Nanotechnology for Australian Materials Science |
| Workshop | | 26 Sep. | 16:55 | 17:50 | Discussion and workshop | | | | |
| Wrap-up | | 26 Sep. | 17:50 | 18:00 | Summary and recommendations | | | | |