

FREE STATEWIDE EVENT FOR EDUCATORS AND ADMINISTRATORS

# Decoding the Next Generation Science Standards

## K-12 STEM Education

Earn  
Professional  
Development  
Hours!

Friday, October 25, 2013

8 a.m.-1:30 p.m.

Dreyfuss Auditorium, College at Florham

Fairleigh Dickinson University

285 Madison Ave., Madison, NJ 07940

### Session 1

8-10 a.m.

Registration and Continental Breakfast | 8-8:30 a.m. |

Opening Remarks | 8:30 a.m. |

*Christopher A. Capuano, PhD, University Provost and Senior Vice President for Academic Affairs, FDU*

Preamble - STEM Education for College and Career Readiness

*Kiron Sharma, PhD, Co-Director of STEM Institute of Education (SIE) and Professor of Computer Science, FDU*

Keynote Address: Next Generation Science Standards: Impact on Science Learning



Keynote Speaker:

**Michael Heinz**

*Science Coordinator of*

*New Jersey Department of Education*

### Session 2 | Presentations and Workshops

10 a.m.-12:30 p.m.

**A: Making the Move: Enabling STEM Education in ALL Science Classes**

*Margaret Holzer, President of the National Earth Science Teachers Association and Science Teacher at Chatham High School*

*John Moore, Director of Geoscience STEM Education at Palmyra Cove Nature Park and Environmental Discovery Center*

**B: Bolstering Student Achievement Through NGSS - Tweaking Lesson Plans**

*Kim Feltre, Supervisor of Science, Hillsborough Township Public Schools*

**C: Teaching Science Through Problem-based Learning and Sustainability Themes**

*Vicki Cohen, EdD, Director of Peter Sammartino School of Education and Professor of Education, FDU*

*Joel Harmon, PhD, Executive Director of Institute for Sustainable Enterprise and Professor of Management, FDU*

**D: Engaging Students in Learning Science Using Technology and the Next Generation Science Standards**

*Shane V. Smith, PhD, Co-Director of SIE and Senior Lecturer of Education, FDU*

**E: Using Newspapers to Research STEM Topics**

*Cynthia Forster, Community and Public Relations Manager, The Record*

**F: Cyber Security: Stop, Think and Connect With the Next Generation Science Standards**

*Neelu Sinha, PhD, Associate Professor of Computer Science, FDU*

Lunch and Networking

### Session 3

12:30-1:30 p.m.

Liberty Science Center and STEM Education

*Daniel Menelly, Vice President of Science Education at the Liberty Science Center*

Closing Remarks

*Geoffrey Weinman, PhD, Dean of Maxwell Becton College of Arts and Sciences, FDU*

*Each attendee can register for two 40-minute presentations/workshops.*

*Register Online: [northjersey.com/STEM](http://northjersey.com/STEM) or call: 973-569-7562. Registrations must be received by Monday, October 21*

Co-Hosted by:



**FAIRLEIGH  
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