

## Rutgers Chapter of Keramos Annual Report (Oct 2013)

### Keramos Executive Board:

**President:** Gary Cheung | [REDACTED]

**Internal VP:** Pragi Siva | [REDACTED]

**External VP:** Clayton Gereffi | [REDACTED]

**Treasurer:** Andrew Oh | [REDACTED]

**Secretary:** Kolette Fabboli | [REDACTED]

Faculty Advisor: Manish Chhowalla, Professor and Associate Chair, manish1@rci.rutgers .edu

The following are the names of the new initiates:

Freedman, Maxwell S.

Kilanowski, Keith, J

Snyder, Sarah A

Ferguson, Spencer, D

Vijapurapu, Divya K

Pettinelli, Eric, H

Lu, Matthew, Y

Melzer, Jeffrey, E

Crowley, Jesse, T

Fabboli, Kolette

Won, Jun

Spatocco, Peter, D

Jain, Manika

Patel, Shane

Siva, Sivarampragadeesh

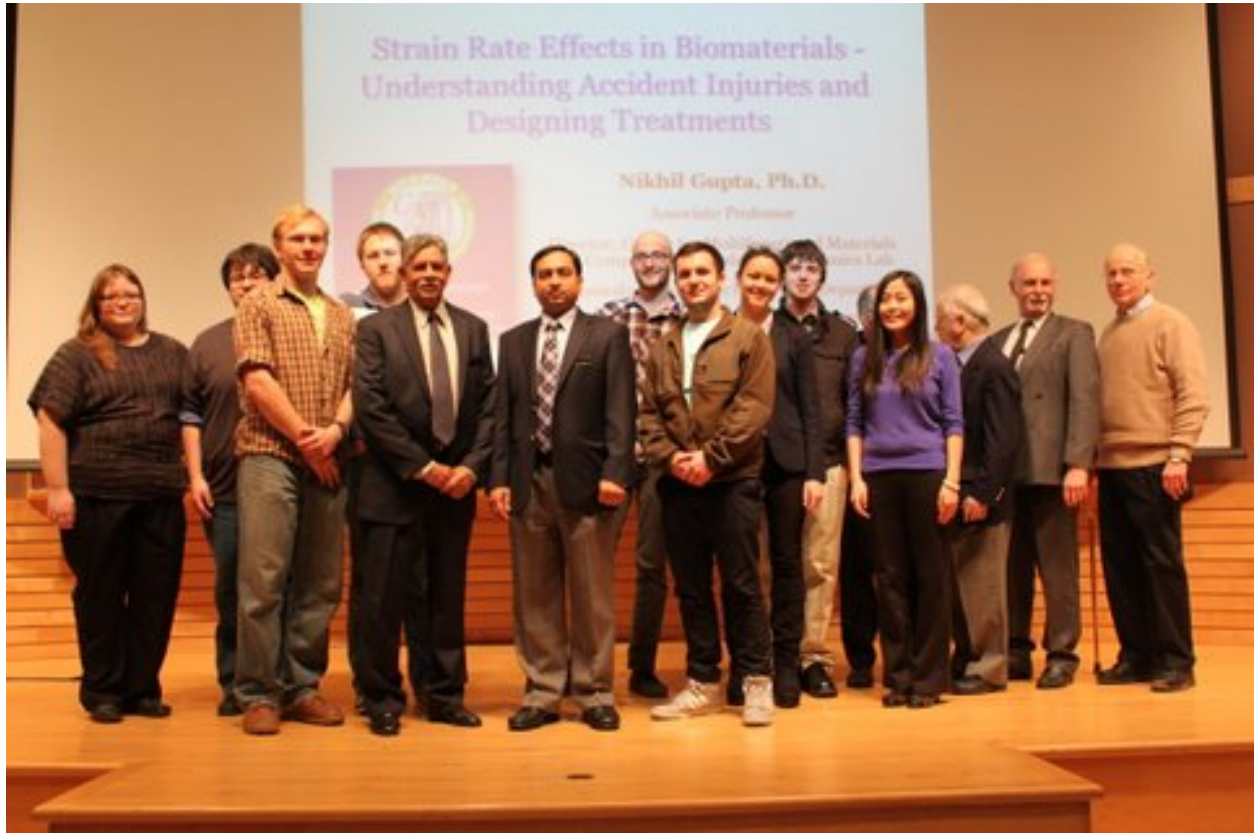
Gereffi, Clay

The new members will be formally inducted per Keramos guidelines on October 23, 2013.

Guest Speakers through ASM International – The Rutgers student body of Keramos partnered with the Rutgers student body of Material Advantage and ASM International to host ASM International Meetings and Talks. Meetings would consist of a small poster session, a guest speaker, and refreshments. Student members of the present societies were able to network with the speakers and superior members of their respective societies.

- 9/13/12 – Speaker: Dr. Linda S. Schadler, Topic: “Nanodielectrics for Improved Cable Insulation and Field Grading Materials”

- 10/25/12 – Speaker: Komal Lau, Topic: “Advanced Repair Technologies for Gas Turbine Engine Components”
- 11/27/12 – Speaker: Dr. Vander Voort, Topic: “Historically Fe Based Objects”
- 2/13/13 - Speaker: Dr. Nikhil Gupta, Topic: “Understanding Accident Injuries and Designing Treatments”
- 4/24/13 – Speaker: Matthew B. Walsh, Topic: “Storm Surge Impacts on Port Authority Structures”



Plant/Lab Tours – Keramos and Material Advantage members were given the chance to visit various plants or research labs. Plant managers would take a small group of students around the plant and instruct them on what is done at that specific plant. Researchers would instruct student members of the projects under investigation and demonstrate the capabilities of the equipment found in the lab. Many Tours were canceled due to problems caused by Hurricane Sandy.

- 12/7/12 - Princeton Plasma Physics Laboratory Tour
- 2/8/13 – Dow Chemicals
- 2/13/13 – OFS



MS&T '12 – Students participated in events at the MS&T '12 Convention such as the Poster Competition, Mug-Drop, and Speaking Contest. Student Members attended relevant talks and networked with senior members found at the conference.

High School and Middle School Outreaches – Student members would partake in demonstrations to high school or middle school students to promote the field of STEM, specifically Material Science and Engineering.

- 11/10/12 - M.E.E.T. High School Outreach Program
- 04/19/13 - Jr. Solar Sprints – Greenbrook Middle School Outreach

MSE Holiday Party (12/13/12) – MSE Student and Faculty are invited to a private dinner at Tumulty's Pub. Music is organized by a Faculty band, "Intellectual Property." This is the largest social event hosted for MSE students, and it allows the students and faculty to network in a social setting.

Rutgers Day (4/22/13) – Student members were encouraged to volunteer at social events geared toward informing prospective students about Rutgers Engineering and Rutgers MSE. Students would demonstrate quick experiments relevant to Material Science and describe products that were patented by Rutgers faculty and alumni.

