



UC SANTA BARBARA

SCIENCE & ENGINEERING RESEARCH ACADEMY

2017 CAPSTONE SEMINAR PROCEEDINGS

July 21, 2017
1001 Engineering Sciences Building

OFFICE OF SUMMER SESSIONS

SERA RESEARCH CAPSTONE SEMINAR PROGRAM

- 8:55 AM** **Opening Remarks**
Lina Kim, Director of the Science & Engineering Research Academy
- 9:00 AM** **Color Fastness of Novel Azo-Dyes**
Carolynn Cai, Anabella Cheong, Remy Feru, Rekha Sashti
- 9:20 AM** **Factors of Depression**
Sohel Bagai, Chinmayi Balusu, Brandon Lu, Nicholas Ng, Chatura Tamirisakandala
- 9:40 AM** **Colometric Sensing of Amines**
Edward He, Claudia Millar, Katharine Newman, Jacob Yeung
- 10:00 AM** **Gender Roles in Movies and How it Affects Approval Ratings**
John Geyer, Ian Joffe, Nicholas Lewis, Sahana Swaminathan
- 10:20 AM** **Refreshment Break**
- 10:40 AM** **Dye-Sensitized Solar Cells Using Fruit Pigments**
Ethan Chau, Mitchell Kiner, Kaan Komili, Harry Song
- 11:00 AM** **Predicting Product and Company Success by Analyzing Search Results and News Articles**
Jack Falstad, Arleen Liu, Neil Sashti, Rohit Tanikella
- 11:20 AM** **Chemiluminescence of Luminol**
Elaine Chao, Sydney Fry, Brisa Garcia, Wynne Zheng
- 11:40 AM** **Video Games and the Formula for Success**
Raymond Chen, Oscar Chou, Riley McAllister
- 12:00 PM** **Lunch Break**
On your own
- 1:20 PM** **Triboluminescence from Inorganic and Organic Crystals**
Dillon Clark, Hannah Li, Cole Rappaport, Cory Rappaport
- 1:40 PM** **Can a Computer Grade an Essay?**
Adrian Chu, Marika Murphy, Cassidy Samovar, Gordon Ye
- 2:00 PM** **Quantum Dots from Varied Carbon Sources**
Jack Cantin, William Chen, Michael Schnell, Hayden Shinn
- 2:20 PM** **Pan-Cultural Sentiment Analysis with Deep Convolutional Neural Networks**
Sagnik Bhattacharya, Beck Dehlsen, Kai Nakamura, Darren Wang
- 2:40 PM** **Refreshment Break**
- 3:00 PM** **End of Capstone Seminar**