



Cornell University

K-12 Education and Outreach, Mathematics Department

2016 Ithaca High School Senior Seminar Student Research Presentations

Sunday, May 22, 2016

10:00 am – 3:15 pm

523 Malott Hall

- 10:00-10:05 Welcome**
Severin Drix (Ithaca High School)
Mary Ann Huntley (Cornell University)
- 10:05-11:00 Projective Transformations and Harmonic Quadruples**
Jeong Hyun Lee & Daniel Xu (Ithaca High School)
Daoji Huang (Cornell University)
- 11:05-11:50 Elliptic Cryptography**
Adam Newhouse & Kieran Loehr (Ithaca High School)
Sergio Da Silva (Cornell University)
- 11:50-12:20 Lunch (pizza & soda provided)**
- 12:20-1:15 Image Processing and Projective Geometry**
Yaateh Richardson, Jasper White, & Julia Miller (Ithaca High School)
Daoji Huang (Cornell University)
- 1:20-2:05 Number Theory Problems Involving Squares**
Eleanor Pereboom & Ronan Perry (Ithaca High School)
Sergio Da Silva (Cornell University)
- 2:10-3:05 Group Theory and the Pyraminx Puzzle**
Zachary Stillman & Bowen Shan (Ithaca High School)
Sasha Patotski (Cornell University)
- 3:05-3:15 Final Remarks**
Severin Drix (Ithaca High School)
Ravi Ramakrishna (Cornell University)

RSVP needed by Wednesday, May 18th

Send the following information to Mary Ann Huntley (huntley@math.cornell.edu)

- **Your name**
- **Number of people you are registering**
- **Special accommodations (e.g., dietary constraints, mobility constraints)**