

Course Orientation

EECE 412

Teaching staff

- Instructor
 - **Dr. Konstantin (Kosta) Beznosov**
 - www.ece.ubc.ca/~beznosov
 - Research interests
 - » usable security
 - » security and privacy of online social networks
 - » authentication and authorization on the Web
 - » security for mobile devices
 - Office Hours: Most Thursdays 11-12, KAIS 4047
- Guest lecturer
 - **Dr. Hyoungshick Kim**, Postdoctoral fellow
- Teaching Assistant
 - **Ildar Muslukhov**, Ph.D. candidate
 - Office hours: Mondays 11-12, KAIS 4037

Outline

- Course orientation
 - course site
 - syllabus
 - introductions
 - calendar
 - term project clips
 - Q&A
- Introduction into computer security
- Threat analysis

Course Orientation

- What background should I have?
- What will I be doing in the course?
 - Term project and report
 - Home assignments
 - Quizzes
 - No mid-term
 - Participation
 - Reading
- What will I be reading?
- What will the course schedule look like?
- Where can I find additional information resources?
- How can I provide feedback?

course information flows

- **courses.ece.ubc.ca/412**: calendar, lecture slides, syllabus, office hours, deadlines,
- **www.vista.ubc.ca**: submission of all written work for assessment, marks/grades, out of classroom announcements
- e-mail: urgent announcements
- course calendar
- course message board
- announcements
 - non-urgent: in the class
 - urgent: through e-mail
- office hours
 - Most Mondays (TA) and Thursdays (Kosta), 11-12.

Key Points

- A lot of
 - hard work
 - fun
- All the course material is on courses.ece.ubc.ca/412
- Start early!
 - First assignment due September 17
 - First quiz on September 20
 - Course drop/withdrawal deadline September 21
 - Project proposals due October 11

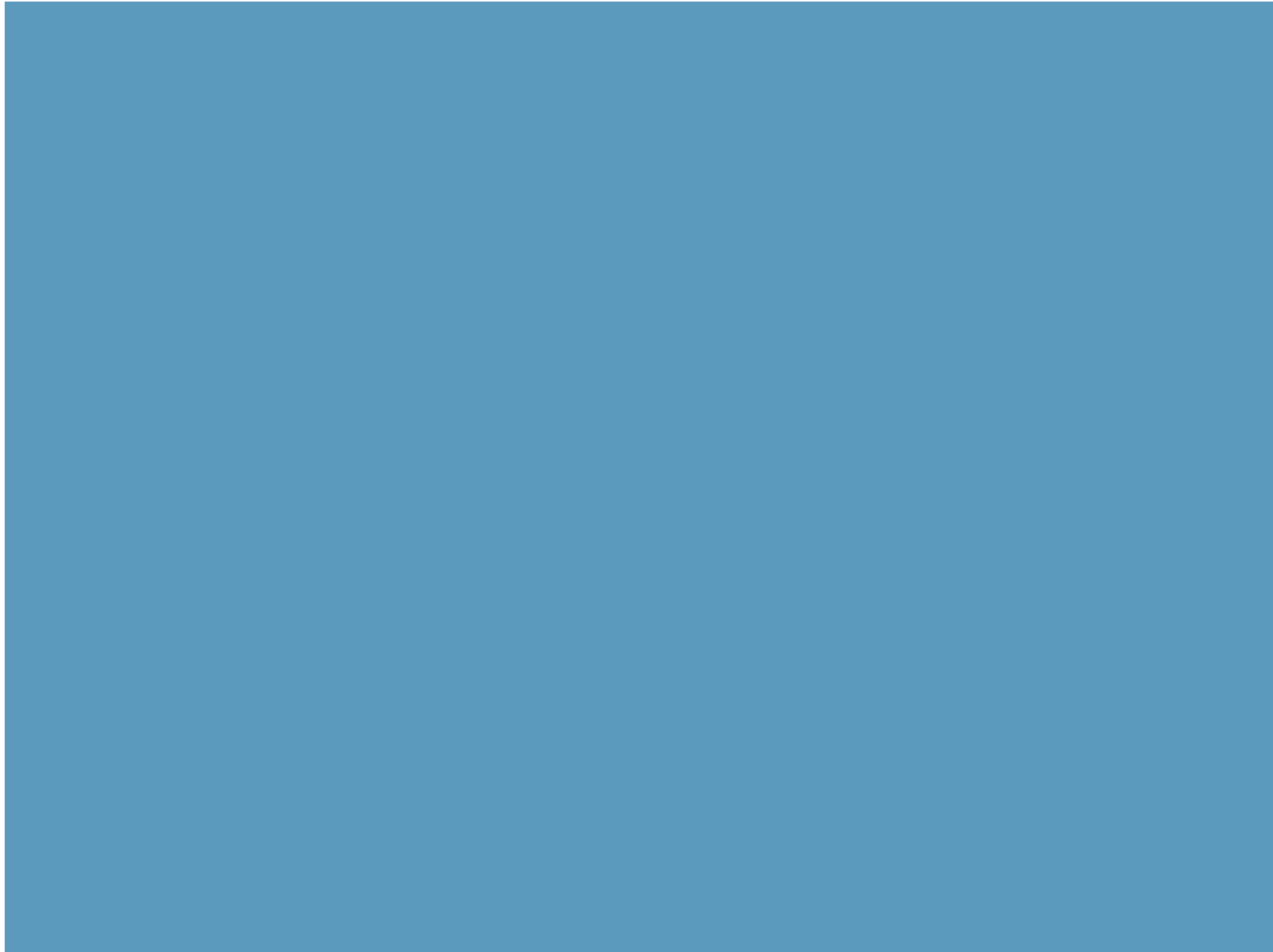
some examples of good term projects

- **Security Analysis of the i>clicker Audience Response System**, by Derek Gourlay, Yik Lam Sit, Yuan Sunarto, Tim Wang (2010)
- **Analysis of Smart Card Laundry System**, by Jon Lee, Niel Paul, Choon-Sean (Steven) Cheong, Dicky Bratawijaya (2009)
- **Security Analysis of Vancouver's Pay-by-Phone Metered Parking**, by Chris Lee, Benjamin Wai, James Wang, Leo Wong (2008)
- **Security Analysis of Microsoft Notification Protocol**, by Jason Poon, Oliver Zheng (2007)
- **Design and Analysis of a Noise-Based Random Oracle**, by Albert Wang, Jeff Gebert, Paul Davis (2005)

http://courses.ece.ubc.ca/412/term_project/previous_years_reports.html

Analysis of Smart Card Laundry System

Jon Lee, Niel Paul, Choon-Sean Cheong, Dicky Bratawijaya



Security Analysis of Vancouver's Pay-by-Phone Metered Parking

Chris Lee, Benjamin Wai, James Wang, Leo Wong



**EECE 412 Group 4
Presents**

Security Analysis of Microsoft Notification Protocol

Jason Poon, Oliver Zheng

Analysis of MSNP

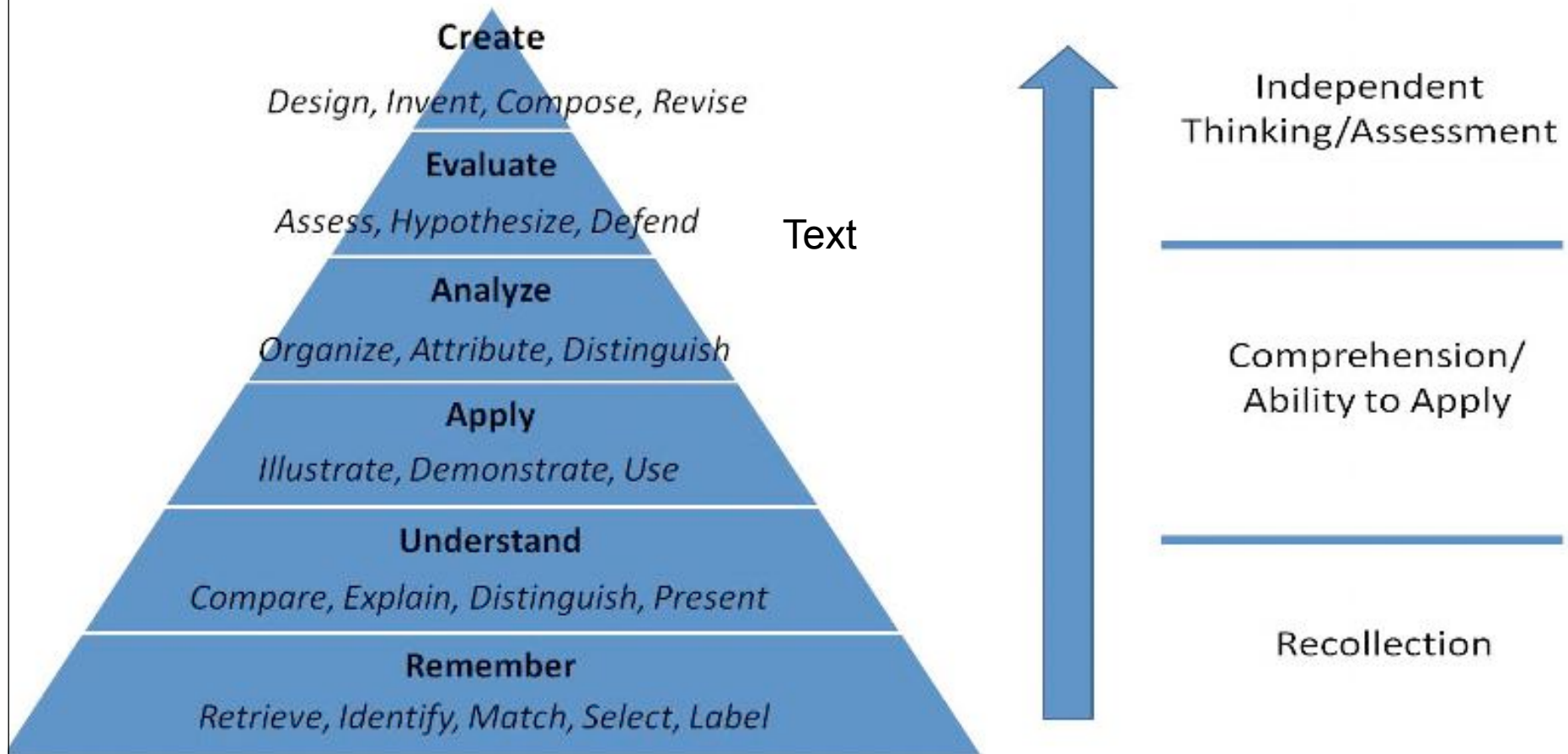
O. Zheng & J. Poon

Music: Timbaland ft. Elton John – Two Man Show

term project timeline

- before **September 20**
 - composing project groups
 - coming up with project ideas
- before **October 4**
 - discussing ideas with Kosta
- before **October 11**
 - writing project proposal
 - preparing proposal presentation
- **October 11**
 - proposal presentations
 - submitting proposal
- **November 30**
 - project video clips due
- **December 4**
 - project presentations
- **December 6**
 - project reports due

Bloom's taxonomy of learning



source: www.nltslibrary.info

Questions