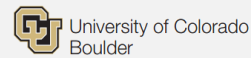


FRIEDMAN FAMILY VISITING PROFESIONALS PROGRAM



Visit to University of Colorado, Boulder: April 7-8, 2015

This report summarizes the visit of **Patrick Otellini** from the Office of the City Administrator of San Francisco that took place at the University of Colorado, Boulder on April 7-8, 2015.

ITINERARY OR AGENDA

TUESDAY, APRIL 7 SCHEDULE	ACTIVITY:
9:30 AM	Student Chapter Vice-President meets Mr. Otellini at the airport
10:30 AM – 11:00 AM	Meeting with the student chapter President and Vice-President; short tour of the Engineering Center
11:00 AM – 5:00 PM	Mr. Otellini meets with faculty members (in Structural Engineering, Environmental Design, Computer Science, and Communications) to discuss their research relating to his work as Chief Resilience Officer (lunch and campus tour with faculty during this time)
5:30 PM – 7:00 PM	Guest Lecture by Visiting Professional, followed by formal reception
7:30 PM – 9:00 PM	Dinner with student chapter leaders, faculty adviser, and Chief Resilience Officer for the City of Boulder at local restaurant
WEDNESDAY, APRIL 8 SCHEDULE	ACTIVITY:
7:30 AM – 8:30 AM	Informal breakfast with student chapter graduate student leaders to discuss their research and career goals with Mr. Otellini
9:00 AM – 12:00 PM	Mr. Otellini meets with additional faculty members (met by student chapter leaders to walk to lunch)
12:00 PM – 1:30 PM	Lunch with graduate and undergraduate students (including members of Seismic Design Team) at university dining hall
1:30 PM – 2:00 PM	Break: chance for Visiting Professional to tour campus informally
2:00 PM – 4:00 PM	Presentations by graduate student and faculty research groups, discussion of their work in the context of 100 Resilient Cities campaign
4:00 PM	Driven back to airport by Student Chapter Vice-President

STUDENT CHAPTER VISIT PLANNING COMMITTEE

LEAD ORGANIZER(S): {enter name of student members who lead the visit, chapter role, email}

- Sarah Welsh-Huggins, President, sarah.welshhuggins@colorado.edu
- Cody Harrington, Vice-President, cody.harrington@colorado.edu
- Kristen Hess, Secretary, krhe1387@colorado.edu
- Greg Rulifson, Outreach Coordinator, rulifson@colorado.edu
- Abbie Liel, Faculty Advisor, abbie.liel@colorado.edu

VISITING PROFESSIONAL LECTURE OVERVIEW

We held an early evening lecture to attract students after the academic day had ended. We had nearly 50 people in attendance, predominately faculty members and students from the department of Civil, Environmental Architectural Engineering. Our Student Chapter President presented a brief biography of Mr. Otellini, as well as an overview of our Student Chapter activities for those in attendance not familiar with EERI. Mr. Otellini began

with a discussion of Earthquake Safety Implementation Program (ESIP) and the Community Action Plan for Seismic Safety (CAPSS). CAPSS was initiated in response to the 1989 Loma Prieta earthquake. During a 10 year study, CAPSS produced 17 key recommendations to advance resilience in San Francisco. These recommendations were translated into a 30 year timeline of 50 broader tasks that become the Earthquake Safety Implementation Program. Next, Mr. Otellini described the state of soft story building stock in San Francisco, and the development of a Soft Story ordinance for identification, inspection, and retrofit of these structures. A substantial portion of this program involved community outreach to raise public awareness of the issue and to gather stakeholder perspectives about the challenges and cost of retrofit actions. After this discussion, Mr. Otellini presented an overview of San Francisco's Private School Mandatory Seismic Evaluation initiative, which is a critical topic, since private schools are not currently required to meet the same standards as public schools and also have different funding sources for building upkeep. Many of San Francisco's private school buildings were constructed far before today's modern, more stringent building codes. Following this, Mr. Otellini briefly described other ESIP programs, such as the Façade Maintenance Program, Earthquake Brace and Bolt initiative, and Epicenter pop-up collaborative teaching center. The presentation closed with an overview of the 100 Resilient Cities campaign launched by the Rockefeller Foundation. Mr. Otellini has the distinction of being the world's first Chief Resilience Officer; his discussion of Resilient SF focused on planning for the city's acute shocks (such as earthquakes or flooding) and chronic stresses (such as aging infrastructure). After his presentation, we held a 15 minute Q&A session and then opened the room for a catered reception where attendees could speak with Mr. Otellini more informally. During this time we set up a poster about our Student Chapter in one corner of the room where attendees could see other examples of our Student Chapter's annual activities. Below we present two photos from Mr. Otellini's seminar, the first of our speaker himself, and the second of his captive audience.

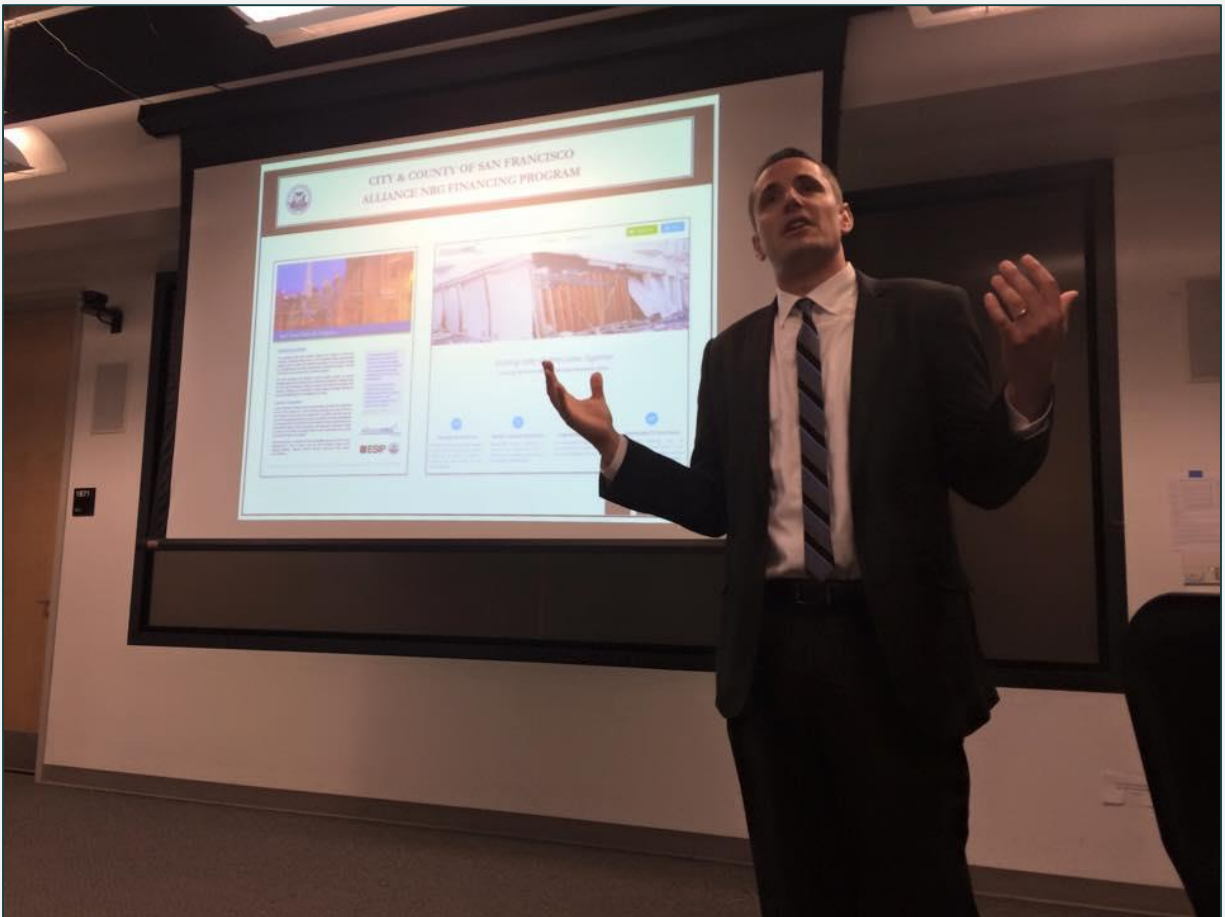


Figure 1. Patrick Otellini speaking at the University of Colorado-Boulder



Figure 2. Audience at Patrick Otellini seminar at the University of Colorado, Boulder

Lecture Abstract

Mr. Otellini was appointed by Mayor Ed Lee in October of 2012 as the Director of San Francisco's Earthquake Safety Implementation Program (ESIP). His seminar will present different policies and public actions strategies that ESIP has undertaken recently, as well as other earthquake risk management initiatives throughout the city of San Francisco. ESIP, which is a public policy group, has recently passed unanimously approved pieces of legislation ranging from mandatory retrofits of soft story building to post-earthquake repair standards with the goal of making San Francisco more resilient in the face of disaster. The seminar will also present the planning goals for San Francisco as one of the Rockefeller Foundation's 100 Resilient Cities.

Professional Bio

Patrick Otellini is the newly appointed Chief Resilience Officer (CRO) for the City and County of San Francisco in conjunction with the 100 Resilient Cities initiative pioneered by the Rockefeller Foundation. Mr. Otellini was originally appointed by Mayor Ed Lee in October of 2012 as the Director of San Francisco's Earthquake Safety Implementation Program. Prior to his appointment Mr. Otellini was a Senior Associate with A.R. Sanchez-Corea & Associates, San Francisco's premier permit and code consulting firm. His work there included the management of the permit and inspection process for over \$2 Billion worth of construction in San Francisco. He is a Certified Building Inspector through the International Code Council (ICC) and a Certified Fire Protection Specialist through the National Fire Protection Association (NFPA). Mr. Otellini lives in San Francisco with his wife and two children. He received his Bachelor's Degree from Westmont College in Political Science.

SUPPLEMENTAL ACTIVITIES

Faculty and Research Group Meetings

In addition to Mr. Otellini's seminar, a central objective of his visit was to connect him with different faculty members and research groups who conduct work relevant to his job as Chief Resilience Officer. We have several interdisciplinary research teams on campus related to earthquake risk and mitigation, post-disaster informatics, flood recovery, and adaptation of road infrastructure to the stress of climate change. In the weeks before Mr. Otellini's visit, our Student Chapter President and Faculty Advisor reached out to these groups and asked about their interest in scheduling meetings with the Visiting Professional. We also needed to coordinate with the Chief Resilience Officer (CRO) of Boulder, Greg Guibert, who was scheduling his own meeting with Mr. Otellini during his time in Boulder. In all, Mr. Otellini met with nine different faculty members, including two larger group meetings with different research teams. The following is a list of the faculty members and their departmental affiliations with whom he met, presented in order of the meetings: Keith Porter (Structural Engineering); Bruce Goldstein (Environmental Design); Leysia Palen (Computer Science); Ross Corotis (Structural Engineering); Beth Osnes (Dance & Theater); Leah Sprain (Communications); Paul Chinowsky (CU Boulder Institute of Climate and Civil Systems); and Abbie Liel (Structural Engineering) and Amy Javernick-Will (Construction Management), principle investigators of an NSF-funded project investigating community response after the 2013 Colorado floods.

Dinner with Student Leadership

After the Visiting Professional lecture on Tuesday evening, the Student Chapter leadership took Mr. Otellini to dinner at Brassiere Ten-Ten, a local French fusion restaurant. We were joined by Abbie Liel, our Faculty Advisor, and Greg Guibert, CRO of Boulder. The dinner provided a chance for the student leaders to connect with Mr. Otellini on a personal level. The dinner was a highlight for our Student Chapter Treasurer, a first-year student, who is enjoying learning about earthquake engineering during her freshman year of college. She said "The coolest part of the night was seeing Patrick go from a super professional presenter at the seminar to a regular guy at dinner." Our chapter Webmaster, a fourth year Ph.D. student appreciated the dinner because it provided him time to ask Mr. Otellini "about the challenges and goals of this new position," as CRO. Mr. Otellini's charismatic and easy-going personality made the dinner a fun experience for all involved, because it gave us the chance to both learn more about his work, but also to develop personal relationships with him.

Lunch with Student Chapter Members

On the second day of his visit, April 8, Mr. Otellini had lunch with other graduate and undergraduate student members of EERI, including three members of our Seismic Design Team. Our students come from a diverse academic background, ranging from Structural, Architectural, Geotechnical, and Civil Systems. The members of the Seismic Design Team shared with Mr. Otellini challenges they had faced during the design competition, as well as anecdotes about their experiences. Graduate students enjoyed the chance to chat with Mr. Otellini on a broad range of topics from his professional background, the challenges of undertaking retrofit programs in San Francisco, his long-term goals for the Resilient SF, his professional path that led him to his current position, and his personal opinion about the upcoming feature film about the San Andreas fault.

RESULTS, FEEDBACK AND LESSONS LEARNED

One of the greatest challenges, unique to our visit, was coordinating all of the meeting schedules between Mr. Otellini and the different faculty members/research groups. This work was greatly appreciated by our guest and the various research groups, however, and made his visit run smoothly and efficiently. An important organizational component of his visit was sharing duties between the Student Chapter leaders and laying out clear plans for the responsibilities of each officer before, during, and after the visit. Our President took the lead

on all of the scheduling and general communication of the visit, but the seminar catering, dinner reservations, cross-campus advertising, and buying of a small gift for Mr. Otellini were made possible through delegation of tasks to all of the other executive leaders. The visit also offered a chance for our EERI Student Chapter to shine in the broader campus community, and we received high praise from faculty members for how well-organized and well-attended the seminar was. All of our student members were extremely grateful for the support of EERI to have the chance to hear such a key member of the earthquake risk professional community speak. We all look forward to the opportunity to host another Friedman Family Visiting Professional next year. Mr. Otellini was an inspiring ambassador for earthquake retrofit activities and community engagement in risk awareness. He impressed all who met him in how well-versed he is in both public policy and structural engineering. Below we present other topics we hope to learn about from future speakers, as well as general goals for our EERI Student Chapter as part of the broader earthquake engineering community:

- Practitioners making innovative contributions to geotechnical engineering, as we have an active Geosciences and Geotechnical Engineering student group on campus
- Women or racial/ethnic minority practitioners in earthquake engineering and risk management
- Interdisciplinary research and practice that demonstrates the importance of collaboration between structural and geotechnical engineers, city planners, policy makers, sociologists, and the public in reducing earthquake risk
- Our university is home to many different research groups and student organizations that would like the opportunity to collaborate further with practitioners, to enhance both academic knowledge and professional practice of earthquake risk management and long-term community development

ACKNOWLEDGEMENTS

The University of Colorado-Boulder EERI Student Chapter gratefully acknowledges the support of the Friedman Family for sponsoring the travel of Patrick Otellini through their Friedman Family Visiting Professional Program endowment. We also appreciate the support of our university's Student Government Funding Board for providing additional financial assistance of this visit.

LIST OF ATTACHMENTS

Included below is our flier for the event.

Earthquake Engineering Research Institute



A Community Action Plan for Seismic Safety, Making San Francisco More Resilient

Join us for a dynamic presentation by the Chief Resilience Officer of San Francisco, Patrick Otellini. CU Boulder is one stop on his year-long speaking engagement, sponsored by the national Earthquake Engineering Research Institute, to promote academic understanding of the professional earthquake engineering and risk reduction community.



Chief Resilience Officer,
San Francisco, CA

Patrick Otellini is the newly appointed Chief Resilience Officer (CRO) for the City and County of San Francisco tasked with developing the city's resiliency strategy in conjunction with the 100 Resilient Cities initiative pioneered by the Rockefeller Foundation. Mr. Otellini was originally appointed by Mayor Ed Lee in October of 2012 as the Director of San Francisco's Earthquake Safety Implementation Program. This public policy driven group has recently passed unanimously approved pieces of legislation that range from mandatory retrofits of soft story building to post-earthquake repair standards with the goal of making San Francisco more resilient in the face of disaster.

2015 Friedman Family Visiting Professional | Patrick Otellini

Tuesday, April 7

5:30 PM – 7:00 PM

**DISCOVERY LEARNING CENTER
BECHTEL COLLABORATORY ROOM**

FORMAL RECEPTION TO FOLLOW

Space is limited! Seating will be first come, first served!

Contact EERI@colorado.edu with any questions



Earthquake Engineering Research Institute

University of Colorado, Boulder

