

FRIEDMAN FAMILY VISITING PROFESSIONALS PROGRAM

Visit to University of Concordia: March 10, 2020



This report summarizes the visit of **Mr. David A. Friedman**, Senior Principal, Emeritus CEO & Board Chair Forell/ Elsesser Engineers, Inc. that took place at Concordia University on March 10, 2020.

ITINERARY OR AGENDA

TIME	AGENDA
08:30 am – 9:15 am	Guest meeting with President Graham Carr <i>(Conference Room GM 801.4)</i>
09:30 am – 10:00 am	Guest Reception and Meeting With faculty members <i>(Coffee, Breakfast and Refreshments will be served)</i>
10:00 am – 10:15 am	Welcome Note By: Dr. Amir Asif Dean of Gina Cody School of Engineering and Computer Science
10:15 am – 10:30 am	Overview of EERI Concordia Student Chapter By: Timir Baran Roy (EERIC President)
10:30 am – 11:30 am	The Practice of Structural & Earthquake Engineering Today: 3 Unique Structural Engineering Projects By: David Friedman
11:30 am – 12:30 am	Panel Discussion: “Career Advice” Panelist: Mr. David Friedman- <i>Forell/ Elsesser Engineers, Inc</i> Mr. Richard Frazao- <i>QuakeTek Corporate</i> Dr. Michelle Nokken- <i>Concordia University (BCEE- GPD)</i>
12:30 am – 12:45 pm	Desjardins Bank (EERIC Banking Partner) Lucky Draw for Hockey Game Tickets
12:45 pm – 01:45 pm	Networking and Lunch Break
01:45 pm – 02:45 pm	Lab visit and gathering with EERIC Team (Structural Engineering lab, Aerodynamics lab and Solar Engineering lab)

STUDENT CHAPTER VISIT PLANNING COMMITTEE

LEAD ORGANIZER(S):

- Timir Baran Roy, President EERI Concordia University Student Chapter
- Hasan Ayouby, Vice-President EERI Concordia University Student Chapter
- Bayan Abu Safieh, Undergraduate Coordinator and Board Member, EERI Concordia University Student Chapter

VISITING PROFESSIONAL LECTURE OVERVIEW

The Practice of Structural & Earthquake Engineering Today & 3 Unique Structural Engineering Projects

We had 52 registered students to the event. We got a great response from the students in regards to the lecture provided by Mr. Friedman and the activities performed during the event.



Lecture Abstract

The practicing structural engineer today must not only have a broad understanding of not just structural engineering, but must be knowledgeable about architecture, M/E/P systems, construction delivery methodologies, and the construction process. All projects come with their own litany of challenges and constraints, and the structural engineer is one of the key players in achieving the optimal solution. The project's budget, the selected performance and design criteria, the architectural form, and the operating systems all affect the selection of the appropriate structural materials and lateral force resisting system. Then the analysis must get translated into a design, and the design must clearly and carefully be delineated into construction documents including plans, details, sections and technical specifications, with appropriate attention to sequencing, phasing and constructability. This all gives rise to the notion of today's structural engineer as a "Master Builder," one who can articulate their way through a complex labyrinth of form finding, criteria setting, risk evaluation, design and documentation, and construction (and hopefully not litigation).

Professional Bio

David is a Senior Principal, and emeritus President, CEO and Board Chair of Forell/Elsesser Engineers Inc., with over 40 years of professional practice (35 years at F/E!) in structural and earthquake engineering. His strength, gained over the breadth and depth of his career, is a holistic perspective of a projects' planning, design and construction and the collaborative integration of creative structural solutions with architects, engineers and builders. With a specialty in seismic engineering and retrofitting of existing structures, particularly those with historic designation, David has solved numerous structural and earthquake engineering challenges during his career with Forell/Elsesser Engineers. Principal examples of his projects include the base isolation retrofits of San Francisco City Hall and the Asian Art Museum, the adaptive reuse and retrofit for the San Francisco Conservatory of Music, and the seismic safety corrections and remodeling of UC Berkeley's California Memorial Stadium. David is devoted to world-wide seismic risk reduction and is a former director of the Earthquake Engineering Research Institute, and a current director of Build Change. He is also deeply involved in many other civic, philanthropic and not-for-profit Boards including The San Francisco Foundation, SPUR, UC Berkeley Foundation, Jewish Senior Living Group, Faultline Foundation and the United States Resiliency Council (USRC).

SUPPLEMENTAL ACTIVITIES

Panel Discussion

Professors from the department along with Mr. Friedman and some industrial experts were part of the panel discussion which was oriented to help students in their career opportunities and choices. The advisors answered some questions from the panel moderator and others from interested students.



Desjardin Presentation

Desjardin bank, our partner, made a presentation on their student services, their promotions for student accounts referred from EERIC and provided some prizes for the attendees.



Lab Visit

The EERIC Team associated the guest on tour to visit the Engineering labs, which includes structural labs, solar engineering lab, and aerodynamics lab.



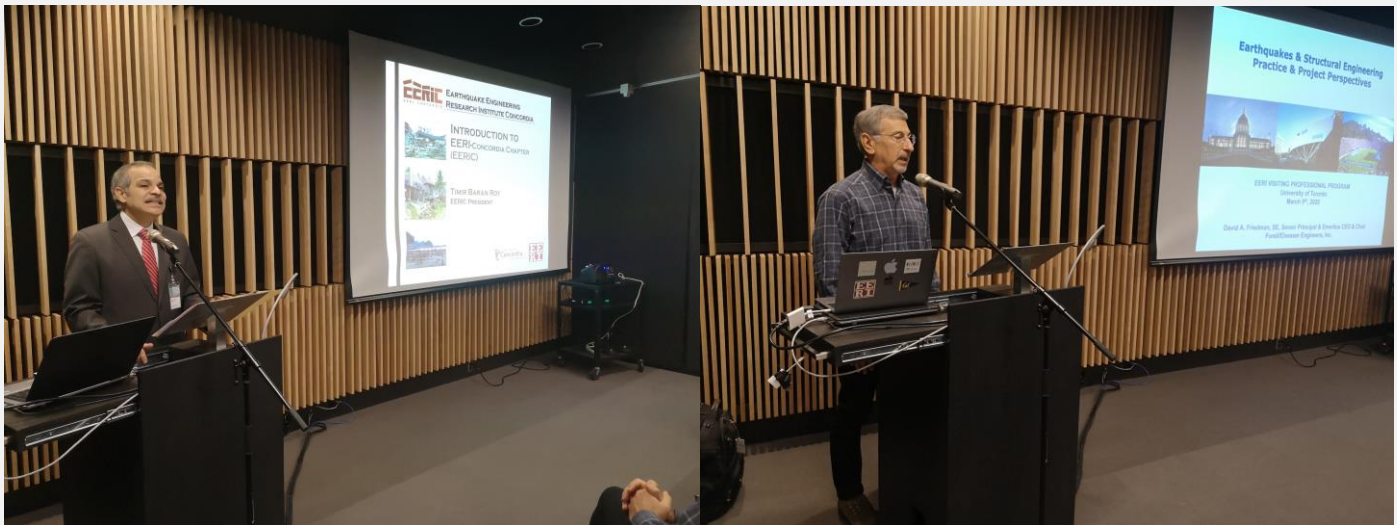
Meeting with the President of Concordia University

On behalf of the President of Concordia University, Interim Provost and Vice-President Academic Prof. Anne Whitelaw received Mr. Friedman. The meeting was attended by Prof. Whitelaw, Prof. Bagchi (Chair of the BCEE department), Prof. Asif (Dean of the Gina Cody School) along with the EERIC Board members. Discussions were focused on academic outcomes, future collaboration and the global pandemic situations.

RESULTS, FEEDBACK AND LESSONS LEARNED

We had a great acceptance of the event on campus from different parties. The Dean of Engineering and the Chair of the BCEE Department was there to open the event. The president of QuakeTek, who's also an advisor on our board, was part of the panel discussion. Students from the BCEE department shared their views with us

and were very happy with the topic about base isolation that is very unique. The university showed interest in the event, and they promoted it through the university website.



ACKNOWLEDGEMENTS

EERI Concordia University Student Chapter (EERC) gratefully acknowledges the support of the Friedman Family for sponsoring the travel of Mr. David Friedman through their Friedman Family Visiting Professional Program endowment. EERIC also thanks the Engineering and Computer Science Graduate Association (ECSGA) for sponsoring the food and itinerary during the event. EERIC would like to appreciate the Desjerdin Bank for taking part in the event and organizing a lottery competition for the attendees for the hockey games.

LIST OF ATTACHMENTS

Included at the end of this report are various attachments to supplement the information included above. A list of the attachments is included below:

- Item 1, i.e. poster for event, sticky notes, banner
- Item 2, agenda for the event
- Item 3, attendee list

Full Name	University	Major	Designation
Avirup Sarkar	Concordia University	Structural engineering	
Pronob Kumar Ghosh	Concordia University	Structure	
Saikat Bagchi	Concordia University	Civil (Structural) Engineering	
Samia hilal	Concordia	PhD Systems Engineering	
Orkun Arat	Concordia University	Civil Engineering	
Mohammad Nurulain Banday	Concordia University	Structural Engineering	
Theodore Potsis	Concordia University	Building, Civil and Environmental Engineering	
Naved Chanderi	Concordia University	Civil Engineering	
Mostafa Fadaeefath Abadi	Concordia	Building Engineering	
Shokoofe	Concordia	Building engineering	
Ghazaleh	Concordia	Civil engineering	
mahtab banihashemi	Concordia University	building engineering	
Umer Jamil	Concordia University	Structures	Graduate Student
sunny mali	concordia university	masters in structure engineering	Graduate Student
Ulyana Ilnytska	Concordia University	Civil Engineering	Undergraduate Student
Yasaman Niroumand	Concordia university	Civil engineering	Graduate Student
Sanketh Shetty	Concordia University	Structural Engineering	Graduate Student
Carlo Sparapani	Concordia University	Civil Engineering	Graduate Student
Mohamed Algamati	Concordia University	PHD Civil Eng	Graduate Student
aref kasis akel	concordia university	civil engineering	Undergraduate Student
Rodrigo Jimenez	Concordia University	Civil Engineering	Graduate Student
Ivan Pramatarov	Concordia	Structural Engineering	Graduate Student
Husain Dohadwala	Concordia University	Structural Engineering	Graduate Student
Masoud	Concordia	Structural engineering	Graduate Student
Siamak Pejmanfar	Concordia	Civil Engineering	Graduate Student
SHAIKH MOHMAD FAIZAN	Concordia University	Structure engineering	Graduate Student
Liam Crosthwaite	Concordia University	Civil engineering	Undergraduate Student
Dipesh Donda	Concordia University	Structural Engineering	Graduate Student
Hamza Faiz	Concordia University	Civil Engineering	Undergraduate Student
Sam Bahmanoo	Concordia University	Structural engineering	Graduate Student
Xiang li	Concordia	civil engineering	Undergraduate Student
siamak delir	Concordia	Civil engineering	Graduate Student
Zaineb Khalid Al-Maadhidi	Concordia University	MAsc. in Civil Engineering	Graduate Student
URVISHKUMAR MAHESHBHAI PATEL	CONCORDIA UNIVERSITY	CIVIL ENGINEERING	Graduate Student
SWATHI DINESH	Concordia University	Master of Engineering	Graduate Student
Fawaaz Azam Hussain	Concordia university	Constructions Management	Graduate Student
Thang Ho	Concordia University	Geotechnical	Graduate Student
Raviteja Chilupuri	Concordia University	Structural	Graduate Student
Ashutosh Bagchi	Concordia University	Structures	Professor
Fawzi Latosh	Concordia	Associated professor	Staff
Hamid Nourani	Concordia University	Mechanical	Graduate Student

Dr. Khaled Galal	Concordia University	Developing Multi-Hazard Resilient Structures	Professor
Omar Elmeligy	Concordia	BCEE	Graduate Student
Abdulah Mansoor Al-Ahdal	Concordia	Structural Engineering	Graduate Student
Inamullah Shariff	Concordia University	Civil Engineering	Graduate Student
Nazim Attaf	Concordia university	Civil engineering	Undergraduate Student
Mohammad Faiz Hassan	Concordia University	Construction Management	Graduate Student
Gurinderbir Singh sooch	ECOLE Polytechnique Montréal	Structural Engineering	Graduate Student
Zannatul Mawa Dalia	Concordia University	Civil engineering	Graduate Student
Faruk Ahmed Sakib	Concordia University	Civil Engineering	Graduate Student
Omar Gouda Mohamed Mohamed	Concordia University	Civil Engineering	Graduate Student
YIFENG HU	concordia university	civil engineering	Graduate Student



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and the structural engineer is one of the key players in achieving the
optimal solution”**



Friedman D.

**EARTHQUAKE ENGINEERING RESEARCH INSTITUTE
CONCORDIA CHAPTER**

In collaboration with



Welcome you in the

Guest Speaker Seminar and Networking Event
(Friedman Family Visiting Professionals Program)

March 10, 2020

CONCORDIA UNIVERSITY

9:30 am – 3:00 pm (Room: MB 9 EG)

📍 1450 Guy St, Montreal, QC H3H 0A1



David Friedman, SE

Senior Principal, Emeritus CEO & Board Chair
Forell/Elsesser Engineers, Inc.



Personals from the industry and academia will join
The Career Advice Panel Discussion

