



# 2018 Undergraduate Seismic Design Competition – VANCOUVER, CANADA

for better training of professionals that make a safe future



# **Earthquake Engineering Research Institute**



# Earthquake Engineering Research Institute

The Earthquake Engineering Research Institute (EERI) is a leading technical society in dissemination of earthquake risk and earthquake engineering research both in the U.S. and globally. EERI members include researchers, geologists, geotechnical engineers, educators, government officials, and building code regulators. Their mission, as stated in their 5-year plan published in 2006, has three points: "Advancing the science and practice of earthquake engineering; Improving understanding of the impact of earthquakes on the physical, social, economic, political, and cultural environment, Advocating comprehensive and realistic measures for reducing the harmful effects of earthquakes".





# **Student Leadership Council**



# Student Leadership Council

Earthquake Engineering Research Institute, through the Student Leadership Council, organizes between March 5th – 8th, 2019 an international earthquake engineering contest called "2019 Undergraduate Seismic Design Competition".

The Student Association in Civil Engineering Bucharest has integrated this action in their HUB UTCB project on the second axis, "Increasing student's research and practice activity", forming a team of eight students from Technical University of Civil Engineering Bucharest to participate in the competition.





# **Our participation history**



# Our participation history

2016



Structure earthquake prediction  
4<sup>th</sup> place out of 28

2017



Structure earthquake prediction  
8<sup>th</sup> place out of 32

2018



Structure earthquake prediction  
7<sup>th</sup> place out of 40



# **EERI UTCB – Student Chapter**





# EERI UTCB – Student Chapter

The team that will represent Romania and the Technical University of Civil Engineering at the international competition consists of eight students.



Mihaela  
**RĂBÂIA**  
team captain



Dragoș  
**BASARABA**  
vice-captain



Ingrid  
**GRUNFELD**  
secretary



Anamaria  
**LĂZĂROIU**



Ibrahim  
**KHALIL**



Ali Al  
**RAWI**



Diana  
**MARCU**  
architect



Florin  
**HARABAGIU**  
architect

# EERI UTCB – Student Chapter

## TEAM ADVISORS

### **Professor Radu VĂCĂREANU, UTCB**

2016 – present

U.T.C.B. Rector

2012-2016

U.T.C.B. Vice-Rector for Research

2002-2008

Director - National Center for Seismic Risk Reduction  
Romania

Advanced studies in the Earthquake Engineering field at the  
Building Research Institute, Tsukuba, Japan

### **Associate Prof. Viorel POPA Ph.D., UTCB**

2016 – present

Dean of Civile Engineering Faculty

2015-2016

Director of Reinforced Concrete Buildings Department  
Advanced studies in the Earthquake Engineering field at  
the Building Research Institute, Tsukuba, Japan  
“Seismic disaster preparedness in Japan” - Tokyo  
University, Institute of Industrial Science

### **Associate Prof. Mihail IANCOVICI Ph.D., UTCB**

2011 - prezent

Director of Mechanics of Structures Department

2008 - 2009

Director - National Center for Seismic Risk Reduction  
Romania

Advanced studies in the Engineering Seismology and  
Earthquake Engineering field at the Building Research Institute,  
Tsukuba, Japan

## Industry advisor

### **Ing. Dragoș MARCU**

General Manager Popp & Asociații



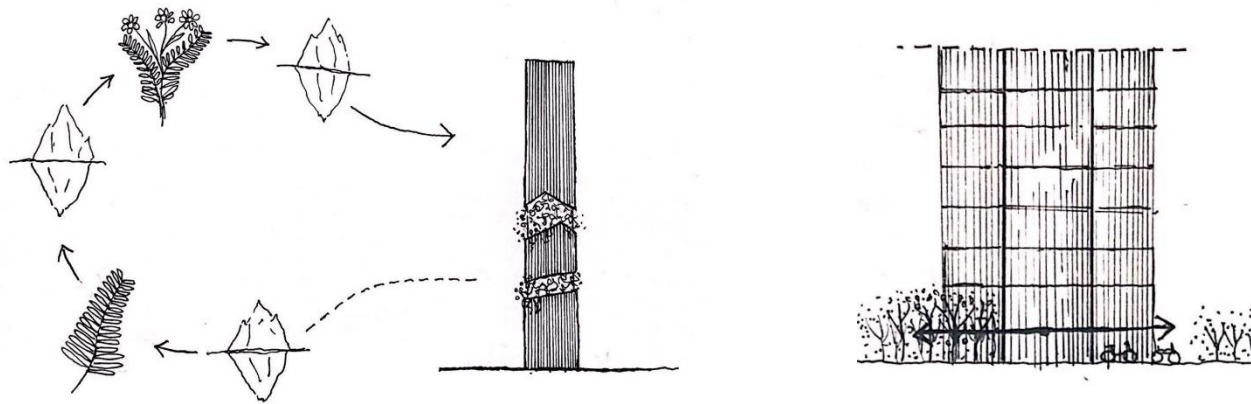
# 2019 Proposal



# 2019 Proposal

High Time is an iconic ensemble with a shape inspired by a glacier that delivers a profound environmentally conscious message. The ensemble is consisting of an outstanding 19-story office building, an intimate park and a garage designed for bicycle parking.

The city of Vancouver would most definitely benefit from a mixed-use development architecture that will attract new developers to invest not only in its rentable boundaries, but also in the whole area.





**Estimated budget**



# Estimated budget

To represent Romania and to facilitate the participation of our team in the international seismic design competition, we need financial support through sponsorships. The estimated budget covers the costs of modeling, transport and accommodation for students.

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Balsa model and transportation	3500 €
Competition registration	1500 €
Students transport	10000 €
Students accommodation	5000 €

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# Sponsors benefits

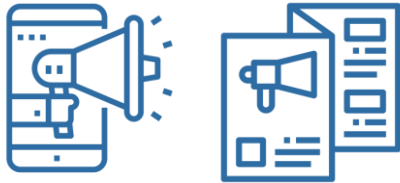


# Sponsors benefits

YOUR COMPANY NAME AND LOGO WILL APPEAR AND BE MENTIONED:



- ▶ in posts about the contest on A.S.C.B., U.T.C.B. and HUB UTCB, Facebook and Instagram pages



- ▶ on the team's advertising promotionals, press releases and TV appearances



- ▶ on the Civil Engineering Faculty website page dedicated to the competition, but also on the flag and team shirts to be worn at the competition.