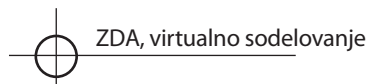


STANFORD, TEČAJ GLOBALNEGA TIMSKEGA DELA AEC 2015

STANFORD, AEC GLOBAL TEAMWORK COURSE 2015



ZDA, virtualno sodelovanje



2014/2015

TIP DELAVNICE TYPE OF WORKSHOP

interdisciplinarna arhitekturna delavnica/ mednarodna delavnica

MENTORJI MENTORS

Super-Coach and Mentor: Renate Fruchter, Stanford University; Architects – Industry: David Bendet, HDR Inc., Kristian Fosholt, Perkins+Will, Willem Kymmell, CSU Chico, Hans Verheij, NACO, Wafaa Sabil, Swinerton Builders, Friedrich Traub, Hanover, Germany; Faculty: Mike Martin, UC Berkeley, Humberto Cavallin, University of Puerto Rico, Willem Kymmel, UCS Chico, Michael Mullins, AAU, Denmark, Michael Luring, AAU, Denmark, Gitte Sorensen, Copenhagen, Denmark, Jan Slyk, WUoT, Poland, Anja Jutraz, University of Ljubljana, Slovenia, Saija Hollmen, Aalto University, Finland; Structural Engineers – Industry: Greg Luth, GPLA, Shilin Young, GPLA, Tim Schrottenboer, GPLA, Erik Kneer, Holmes Sculley, Geoff Bomba, Forell/ Elsesser, Eric Borchers, ARUP, Nick Arenson, Consultant, Guido Morgenthal, Bauhaus University, Frank Scheiber, Bauhaus University, Justin Schwaiger, Thornton Tomasetti, Justin Bocian, Hong Kong, Graham Brasic, Atlanta; Faculty: Eduardo Miranda, Stanford University, Ronnie Borja, Stanford University, David Borowicz, USMA West Point, Charles Quagliana, UW Madison; MEP – Industry: Cole Roberts, ARUP, Afaan Naqvi, ARUP, Kyle Adams, ARUP, Luis Rivera, ARUP; Faculty: Michael Lepech, Stanford University, Sarah Russell-Smith, Stanford University, John Nelson, UW Madison, Lotte Bjerregaard Jensen, DTU, Denmark, Jan Karlshøj, DTU, Denmark, Annika Feige, ETH Zurich; CM – Industry: Adhamina Rodriguez, Swinerton Builders, Henry Too-ryani, Microestimating Inc., Mark Bartlett, Hunt construction, Dan Gonzales, Design Village, Fernando Castillo Cohen, DPR, Dustin Rothwell, DPR, Mike Miller, DPR, Michael Pearson, DPR, Maria Selk, Mortensen Construction,

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ORGANIZATOR ORGANISATION

Stanford University, PBL Lab, prof.dr. Renate Fruchter

DATUM IN KRAJ RAZSTAVE DATE AND LOCATION OF EXHIBITION

Spletna stran projekta in rezultatov: [www.pbl.si](http://pbl.si) in <http://pbl.stanford.edu/>

GRADIVO PRIPRAVILA MATERIALS PREPARED BY

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UVODNIK

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PRESENTATION

DIPLOMA

MASTER THESIS



Slika 1: Skupina Express na Univerzi Stanford (foto: Team Express).

ŠTUDENTJE STUDENTS

Architects: Martin Legaard Hansen, Robert Kardinar, Stephanie Mulero, Aleksandra Sobczyk, Ana Villamizar, Katia Virta, Borys Wesołowski; Structural Engineers: Gaoxi Dai, Robert Hartung, Steve Herzog, Ana Kragelj, Jia Li, Jiacheng Li, Sio-Chong Lo, Luke Lombardi, Adam Pękala, Thomas Trinelle, Meng Wang, Jie Wu, Liu Xi; Construction Managers: Klara Alias, Han Wei Chew, Ryan Coakley, Benjamin Cohen, Daniel Cohen, Nejc Filipič, Catrin Marcellina, Carlo Markmeyer, Hussain Parsianfar, Tyler Zastrow, Nick Zeman; Life-Cycle Financial Managers: Elisa Braune, Christopher Görsch, Janine Schluer; MEP: Andrew Gong, Adrienne Johnson, Ali Kucukavci, Stavros Moragias, Marie Rugholm Nielsen, Marios Tsikos; Apprentice: Arianna Heiderer, Kelsey Lange, Geffen Oren, Marveliz Santos.

DRUGI SODELUJOČI

Sodelujoče univerze: Stanford University; University of Ljubljana, Bauhaus – Universität Weimar; KTH, Sweden; University of Wisconsin – Madison; University of Puerto Rico; Aalto University, School of Arts, Design and Architecture; Berkeley University of California; California State University – Chico; TU Delft; Aalborg University; Danmarks Tekniske Universitet; The Royal Danish Academy of Fine Arts, School of Architecture; Politechnika Warszawska; University College Cork; ETH Zurich.

Vodje skupin/ Owners: Anja Jutraz, Norayr Badasyan, Felix Bollwahn, Mandy Bugzel, Jure Česnik, Ana Sofia Cardona, Fernando Castillo, Dorian Curcanu, Flavia Grey, Maria Frank, Enrique F Hernandez, Jackie Jiao, Andrej Kurent, Ethan Landy, Mike Miller, Bianca Morell, Michael J. Muller, Karolina Ostrowska, Anirudh Rao, Sarah Saxon, Kourosh Salehzadeh, Michael Christopher Seaman, Maria Selk, Jana Unterschütz, Pawel Wolejsza

Žirija: 9th Swinerton Sustainability Challenge (WATER): Adhamina Rodriguez (Swinerton Builders); 6th DPR IPD Challenge (LATENCY): Atul Khanzode and Dean Reed (DPR Construction)



Slika 2: Projekt. (vir: Team Express).



Slika 3: Voda. (vir: Team Express).

VSEBINA

Pri virtualni delavnici, z dvema kratkima srečanjima na Univerzi Stanford na začetku in ob koncu projekta (januarja in maja 2015), so sodelovali študentje in mentorji iz vsega sveta. Sodelovalo je 7 arhitektov, 13 statikov, 11 vodij gradbišča, 3 LCFM, 6 strojnikov in 4 pripravniki. Hkrati je sodelovalo 26 t.i. investitorjev ter številni univerzitetni mentorji in mentorji iz industrije (Perkins+Will, NACO, Swinerton Builders, ARUP, GPLA, DPR, Bechtel, Webcor idr.). Študentje so v šestih interdisciplinarnih skupinah izdelali projekt javne skladbe, v katerem so preizkušali nove tehnološke rešitve in raziskovali inovativne koncepte učenja in zasnove fakultet. Poseben poudarek so posvečali reševanju dveh izzivov, voda in latentnost ("water & latency").

ABSTRACT

The topic of 22nd AEC Global Teamwork course was "AEC TeamGym: Product, Process, and Performance Accelerators". Students focused on two challenges: Water and Latency. Adamina Rodrigues from Sustainable Builders described water challenge: »Rivers, Lakes, and Aquifers are drying up or are becoming too polluted to use... Will your building be another offender or a solution?«, and Dean Reed described latency challenge: »Find a simple, quick and accurate way to measure latency, within global teams, reduce it within your team, and propose a KPI for AEC global teams.« The focus of the course was not only the final project, but also the process (what students learnt on the journey). The main idea of the course was to explore, try different solutions, and make a research on both challenges. Students learnt a lot about communication and collaboration and nevertheless a lot about themselves and how they operate in the team.