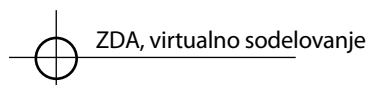


Stanford, Tečaj globalnega timskega dela AEC 2014

Stanford, AEC Global Teamwork Course 2014



ZDA, virtualno sodelovanje



2013/2014

TIP DELAVNICE TYPE OF WORKSHOP

interdisciplinarna arhitekturna delavnica/ mednarodna delavnica

MENTORJI MENTORS

Super-Coach and Mentor: Renate Fruchter, Stanford University; Architects – Industry: David Bendet, Perkins+Will, 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 Kymmell, UCS Chico, Michael Mullins, AAU, Denmark, Michael Luring, AAU, Denmark, Gitte Sørensen, Copenhagen, Denmark, Jan Slyk, WUoT, Poland, Anja Jutraz, University of Ljubljana, Slovenia; Structural Engineers – Industry: Greg Luth, GPLA, Shilin Young, GPLA, Tim Schrotenboer, GPLA, Erik Kneer, Degenkolb, Geoff Bomba, Forell/Elsesser, Eric Borchers, ARUP, Nick Arenson, Consultant, Guido Morgenthal, Bauhaus University, Frank Scheiber, Bauhaus University, Justin Schwaiger, Thornton Tomasetti, Riam Firouz, Oakland, Justin Bocian, Hong Kong; Faculty: Eduardo Miranda, Stanford University, Ronnie Borja, Stanford University, Martin Tjioe, Stanford University, David Borowicz, USMA West Point, Michael Oliva, UW Madison, Graham Brasic, Atlanta; MEP – Industry: Cole Roberts, ARUP, Afaan Naqvi, ARUP, Kyle Adams, ARUP, Luis Rivera, ARUP; Faculty: Michael Lepech, Stanford University, John Nelson, UW Madison, Lotte Bjerregaard Jensen, DTU, Denmark, Jan Karlshøj, DTU, Denmark, Annika Feige, ETH Zurich; CM – Industry: Adhamina Rodriguez,

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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 in <http://pbl.stanford.edu/>

GRADIVO PRIPRAVILA MATERIALS PREPARED BY

asist.dr. Anja Jutraz, prof.dr. Tadeja Zupančič

UVODNIK

EDITORIAL

ČLANEK

ARTICLE

RAZPRAVA

DISCUSSION

RECENZIJA

REVIEW

PROJEKT

PROJECT

DELAVNICA

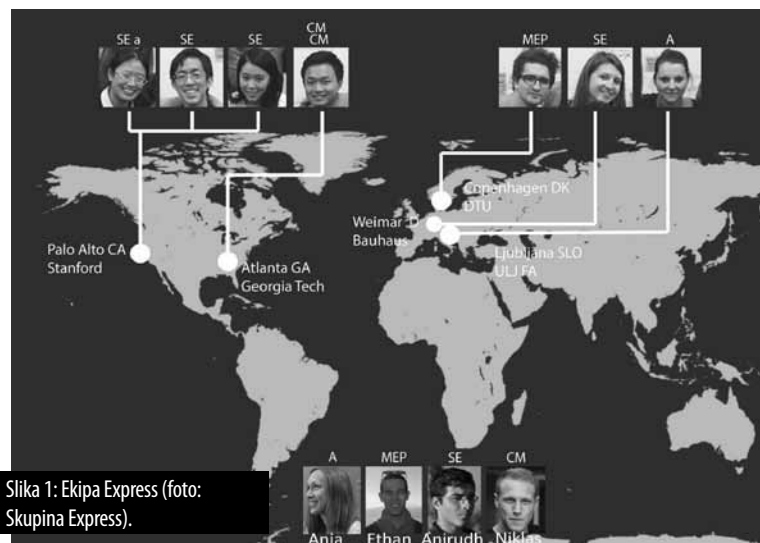
WORKSHOP

NATEČAJ

COMPETITION

PREDSTAVITEV

PRESENTATION



Slika 1: Ekipa Express (foto: Skupina Express).

ŠTUDENTJE STUDENTS

Architects: Katarzyna Alaszewska, Bjorn B. Hansen, Jakob F. Jørgensen, Bianca Morell, Sanja Stimac, Paweł Wolejsza, Alicja Woźniak; Structural Engineers: Rene Gallegos Arratia, Mandy Bugzel, Benjamin Carter, Chris Chan, Jure Česnik, Yue Hua, Jackie Yiyang Jiao, Sebastian Rau, Xu Shohan, Andrew Sang, Qi Wu, Chris Yang, Jingxuan Zhang, Tianao Zhao, Sophia Zhou; Construction Managers: Satej Dhirubhai Desai, Yihai Fang, Erik Karlsson, Kyungki Kim, Erik Lindstrom, Lucas Melquist, Olga Golovina, Randy Schieber, Evelina Widén; Life-Cycle Financial Managers: Norayr Badasyan; Dominik Dietz, Tim Tarek Fergin, Jacqueline Frey; MEP: Anna Heebøll, Pernille Berg, Dorian Curvature, Jinzhi Wang, Flavia Grey, Amy M. Egerter, Eric Chang, Sarah Saxon; Apprentice: Albert Alix, Shiyu Bai, Claire E. Frykman, Asli Kimya, Ben Laboy, Raymond HJ Pierson IV.

DRUGI SODELUJOČI

Sodelujoče univerze: Stanford University; Berkeley University of California; University of Wisconsin – Madison; California State University – Chico; University of Puerto Rico; Bauhaus – Universität Weimar; TU Delft; Aalborg University; KTH, Sweden; 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, Karolina Ostrowska, Zuzanna Koltowska, Andrej Kurent, Ana Sofia Cardona, Pablo Gabrielle Alejandro Cabral Juan, Gitte Sørensen, Michael Christopher Seaman, Anirudh Rao, Michael J. Muller, Donata Trost, Maria Selk, Fernando Castillo, Mike Miller, Milos Todorovic, Kourosh Salehzadeh, Niklas Kindahl, Ronnie Haagensen, Ethan Landy, Sebastian Schönbach, Maria Frank, Felix Bollwahn.

Žirija: 8th Swinerton Sustainability Challenge: Adhamina Rodriguez (Swinerton Builders); 5th DPR Challenge: Atul Khanzode and Dan Gonzales (DPR Construction)



Slika 2: Srečanje na Stanfordu na začetku delavnice (foto: Sanja Štimac).

VSEBINA

Pri virtualni delavnici, z dvema kratkima srečanjima na Univerzi Stanford na začetku in ob koncu projekta, so sodelovali študentje in mentorji iz vsega sveta. Sodelovalo je 7 arhitektov, 15 statikov, 9 vodij gradbišča, 4 LCFM, 8 strojnikov in 7 pripravnikov. Hkrati je sodelovalo 23 t.i. investorjev ter številni univerzitetni mentorji in mentorji iz industrije (Perkins+Will, NACO, Swinerton Builders, ARUP, GPLA, DPR, Bechtel, Webor idr.). Študentje so v sedmih interdisciplinarnih skupinah izdelali projekt javne skladbe, v katerem so preizkušali nove tehnološke rešitve in raziskovali inovativne koncepte učenja in zasnove fakultet.

Študentje so se soočili z dvema izzivoma: »Healthy building« in »Total Value for the Client«. Pri prvem so reševali problem zdrave zasnove zgradbe iz urbanističnega in arhitekturnega vidika, tako od umestitve stavbe na lokacijo in navezavo na okolico kot tudi do zasnove interierja in reševanja detajlov. Pri zasnovi so raziskovali uporabo zdravih materialov, se ukvarjali z vprašanji trajnostne gradnje in z LEED certifikatom. Kot rezultat reševanja obeh izzivov so zasnovali novo aplikacijo za tablične računalnike in pametne telefone, kjer so združili vidike zdrave stavbe in zdravega načina življenja (vpliv temperature v stavbi, uporabljenih barv, zvoka, kakovosti zraka, materialov na počutje uporabnikov).

ABSTRACT

In 2014, students focused on two challenges: Healthy Building and Total Value for the Client. They tried to transfer the health issue from urban design through architecture and interior to the furniture and other details. They worked on designing a healthy building by using healthy materials, obtaining LEED certificate, and by keeping track of the issues regarding sustainability. They also designed a new app for smart phones and iPads in which they combined the aspects of building and health: how you feel (your physical and mental health) depends directly on the conditions within the building (sound, air quality, temperature, light, colours of the walls, chosen materials) and outside the building (urban design, connection to the surroundings).