



Stanford, Tečaj globalnega timskega dela AEC 2010

Stanford, AEC Global Teamwork Course 2010

 ZDA, virtualno sodelovanje

 2009/2010

TIP DELAVNICE *TYPE OF WORKSHOP*

interdisciplinarna arhitekturna delavnica/ mednarodna delavnica

MENTORJI *MENTORS*

Super-Coach and Mentor: Renate Fruchter, Stanford University; Architects: Mike Martin, UC Berkeley, Humberto Cavallin, University of Puerto Rico School of Architecture, David Bendet, Perkins and Will, Architects, Robert Alvarado, Charles M Salter Assoc. Inc., Chuck Eastman, Georgia Tech, Paola Sanguinetti, Georgia Tech, Hans Verheij, NACO, Netherland, Dirk Donath, Bauhaus University, Germany, Daniel Gonzales, Design Village, Willem Kymmell, UCS Chico, Wafaa Sabil, Gensler, Jan Slyk, Warsaw University of Technology, Poland; Structural Engineers: Helmut Krawinkler, Stanford University, Ronnie Borja, Stanford University, Greg Luth, GPLA of California, Shilin Yang, GPLA of California, Nick Arenson, D. R. Horton, Karl Beuke, Bauhaus University, Germany, Frank Werner, Bauhaus University, Germany, Larry Bank, University of Wisconsin, Madison, Grace Yamamoto, ARUP, Erik Kneer, Degenkolb, Nick Arenson, D.R. Horton; Construction Managers: Bob Tatum, Stanford University, Martin Fischer, Stanford University, Eduardo Miranda, Stanford University, Henry Tooriany, Microestimating Inc., Henry Tooriany, Hunt Construction, Mark Bartlett, Hunt Construction, Adhamina Rodriguez, Swinerton Builders, Josh Odelson, DPR, Kjell Nilver, KTH, Sweden, Tomo Cerovsek, University of Ljubljana; Life Cycle Financial Management: Hans Wilhelm Alfen, Bauhaus University, Germany, Andrea Jungbeck, Bauhaus University, Germany, Katja Leidel, Bauhaus University, Germany, Matthias Ehrlich, Bauhaus University, Germany, Axel Seifert, LA; MEP/LEED: Adhamina Rodriguez, Swinerton, Alisdair McGregor, ARUP, Cole Robers, ARUP, Afaan Naqvi, ARUP, John Nelson, UW Madison

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 Jutraž, prof.dr. Tadeja Zupančič

Slika 1: Skupina Central (foto: Skupina Central)



Slika 2: Prostorski prikaz (foto: Skupina Central)



ŠTUDENTJE STUDENTS

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DRUGI SODELUJOČI

Sodelujoče univerze/ universities: 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 Universitat; The Royal Danish Academy of Fine Arts, School of Architecture; Politechnika Warszawska; University Collage Cork; ETH Zurich.

Vodje skupin/ Owners: David Borowicz, Emanuel Bombasaro, Dimitra Ioannidou, Holger Keitel, Erik Kneer, Josh Odelson, Forest Olaf Peterson, Anirudh Rao, Wafaa Sabil

Žirija: 4th Swinerton Sustainability Challenge: Adhamina Rodriguez (Swinerton Builders); 2th DPR Challenge: Atul Khanzode, Josh Odelson and Dan Gonzales (DPR Construction)

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, 11 statikov, 9 vodij gradbišča, 3 LCFM, 2 strojniki in 4 pripravniki. Hkrati je sodelovalo 9 t.i. investitorjev 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 fakultete.

Študentje so se soočili z dvema izzivoma: »Integrated Project Delivery (IPD)« in »Sustainable Performance«. Pri svojem delu so uporabljali virtualne programe za pisanje zapiskov na sestankih (npr. Google Wave), kamor so vsi hkrati lahko vnašali komentarje. Svoje delo so nenehno usklajevali z ostalimi člani ekipe, svoje obveznosti so beležili v koledar, ki je bil vsem dostopen in tako skrbeli za čimbolj transparenten potek dela. Pri drugem izzivu, ki se je nanašal na zasnovo trajnostne zgradbe, so v svoj projekt vključili fotovoltaične panele, naravno prezračevanje, uporabili so opeke za opečne plošče, različne načine varčevanja s pitno vodo in zasnovali fleksibilne tlorise.

ABSTRACT

In 2010, students focused on two challenges: Integrated Project Delivery (IPD) and Sustainable Performance. They used integrated meeting notes in order to write down their goals, and they also used Google Wave that allowed them to take meeting notes in real time. They would constantly coordinate work with other team members, add their obligations to the schedule and thus make the process as transparent as possible. While focusing on the second challenge, there were photovoltaic panels included in their design, along with natural ventilation and thermal mass. They also re-used brick for brick panels, they used a steel structure, and they designed flexible floor plans.