


# Stanford, Tečaj globalnega timskega dela AEC 2011

## *Stanford, AEC Global Teamwork Course 2011*

 ZDA, virtualno sodelovanje

 2010/2011

### 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, Peter Anderson, CCA, USA; 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, Bjorn Wuendsch, 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](http://www.pbl.si) in <http://pbl.stanford.edu/>

GRADIVO PRIPRAVILA *MATERIALS PREPARED BY*  
asist.dr. Anja Jutraž, prof.dr. Tadeja Zupančič



Slika 1: Prostorski prikaz  
(foto: Skupina Ridge).



Slika 2: Končne predstavitev  
maja (foto: Anja Jutraž)

#### ŠTUDENTJE STUDENTS

Architects: Maciej Burdalski, Rebecca Diaz, Sinan Mihelchic, Maria Seidel, Gitte Sørensen, Karol Wawrzyniak; Structural Engineers: Pallav Agrawal, Marian Benischke, Graham Brasic, Katelin Patricia Crook, Travis Dufour, Riam Elias Firouz, Carl Gregory Fosholt, Lindsey Koenig, Jeanette Lam, Caroline Lewis, Stephan Salbach, Justin Schwaiger, Michael Christopher Seaman, Colin VanLang, Yuexin Wang (Marina); Construction Managers: Umot Aydin, Ariel Bautista, Catherine Boubekour, Andres Marcos Bours, Fernando Castillo Cohen, Connor Daniel Daly, Codie Davis, Matt Larson, Imke Lewis, Sebastian Meža, Maria Selk, Mike Daren Ryan; Life-Cycle Financial Managers: Constanze Grimm, Sarah-Kristina Merz, Frank Musiol, Sebastian Schönbach; MEP: Linette Bodilsen, Anne-Laure Cuvilliez, Mads Rasmussen, Seale Wong; Apprentice: Nikiya Crisostomo, Kim Dependahl, Chelsea Drenick, Arelano Edmundo, Anemarie Golz, Derek Ouyang

#### 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 Universitat; The Royal Danish Academy of Fine Arts, School of Architecture; Politechnika Warszawska; University Collage Cork; ETH Zurich.  
Vodje skupin/ Owners: Eric Borchers, David Borowicz, Joanna Huey, Dimitra Ioanidu, Erik Kneer, Anja Jutraž, Hoss Nasser Nosar, Josh Odelson, Forest Olaf Peterson, Anirudh Rao, Lauren Scammell, Bjorn Wuendsch  
Žirija: 5th Swinerton Sustainability Challenge: Adhamina Rodriguez (Swinerton Builders); 3th 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 6 arhitektov, 15 statikov, 12 vodij gradbišča, 4 LCFM, 4 strojnikov in 6 pripravnikov. Hkrati je sodelovalo 12 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: »Native« in »Target Value Design (TVD)«. Zasnova zgradbe je temeljila na prvem izzivu: kako ustvariti čim bolj naravno stavbo in vključiti v oblikovanje značilnosti Navade in Univerze Reno. Pri tem so raziskovali različne vidike: urejanje zunanje okolice (kaktusi), sodelovanje z lokalnimi in regionalnimi ponudniki, odnos do okolja (oblika strehe se navezuje na bližnje hribe), LEED certifikat, varčevanje z vodo, alternativni prevozi (avtobusi) in pametni sistemi za upravljanje zgradb. Na fasadi so poenotili okna in uporabili lokalni pesek za betonsko fasado, zato da so dobili čim bolj naravni videz. Poleg tega so zasnovali stavbo, ki uči: pokazali so inštalacijske cevi ter umestili interaktivne table, ki prikazujejo, kako stavba deluje. Pri drugem izzivu TVD so določili končno ceno investicije in se ji skušali čim bolj približati.

#### ABSTRACT

*In 2011, students focused on two challenges: Native and Target Value Design (TVD). Their compelling idea was based on their first challenge: how to go native and incorporate Nevada and Reno University characteristics in their design. They explored different aspects of "being native": landscaping (planting cacti), local and regional providers, reflecting the environment (they designed a roof resembling mountains), achieving LEED gold, use alternative transportation (bus) and building management systems. Moreover, they designed a building with a teaching function, they showed plumps, set up smart boards and showed users how the building functions. While focusing on the second challenge, TVD, they determined the final price of the investment and tried to bring the value of the final product as close to it as possible.*