



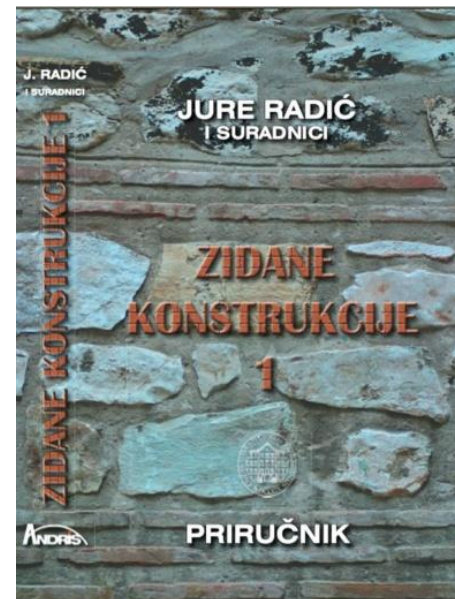
# **Education and dissemination: Workshops and literature**

**Prof. Vlatka Rajčić, Str. Eng.  
Head of Structural Department  
Faculty of Civ. Eng.  
University of Zagreb**



# Croatian Society of Structural engineers – and Faculty of Civil Eng in Zagreb organised

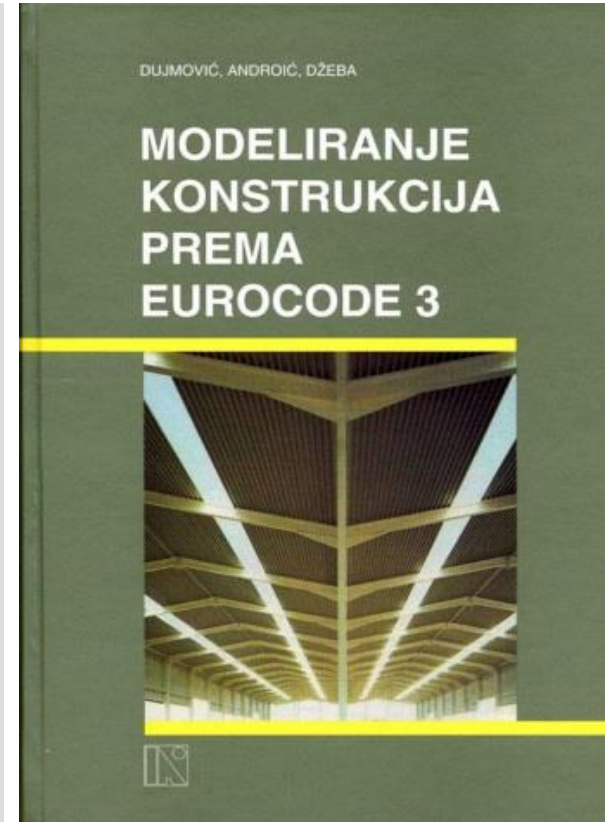
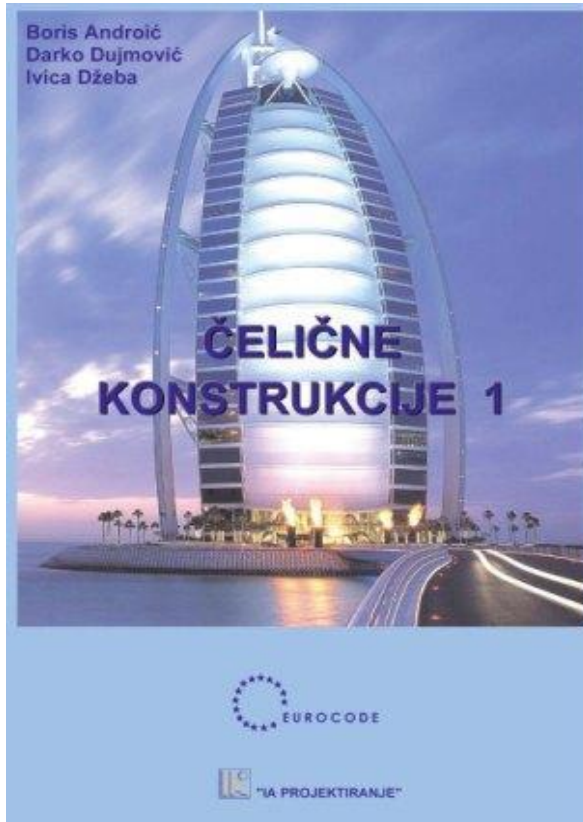
- From **2005.** training course on implementation of the European prenorms of concrete design prEN 1992
  - **Big yearly event CONCRETE DAYS**
  - **+ additional events in bigger towns**  
Osijek, Zagreb, Split , Rijeka
- In **2008.** also for masonry structures were added

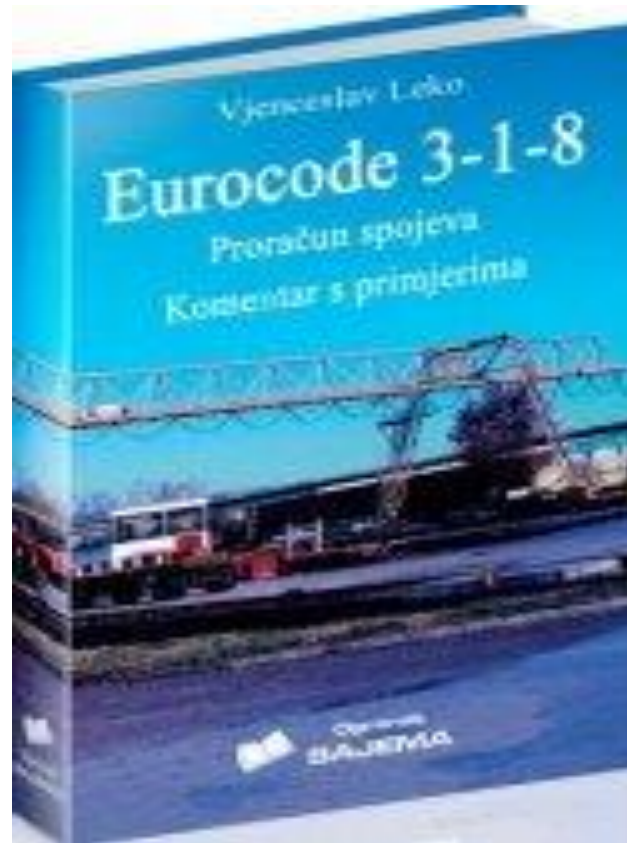


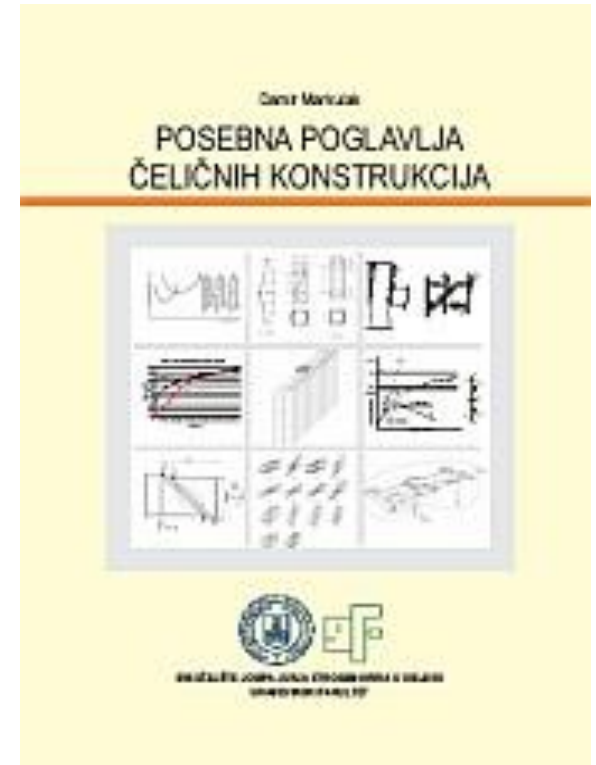
- *Since 2005. Faculties of Civil engineering Zagreb, Osijek, Split and Rijeka have implemented constant training programs under which they are held following seminars organized by the Structural Departments that were based on the current Croatian standards ENV in comparisons with European standards EN available at the appropriate time:*
- *Basis of structural design(EN 1990)  
Actions on Structures (EN 1991)  
Design of concrete structures (EN 1992)  
Design of steel structures (EN 1993)  
Design of timber structures (EN 1995)  
Design of masonry structures(EN 1996)*



# Literature: books, designer's guides, manuals, worked examples




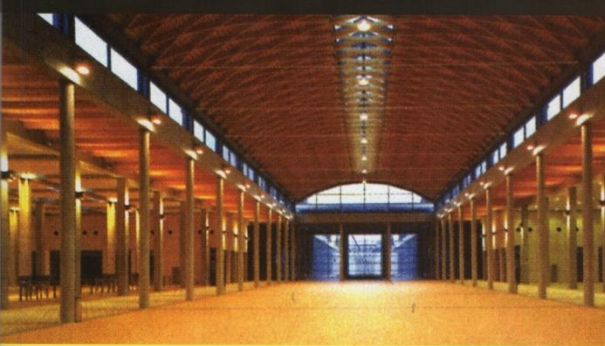





Adriana Bjelanović Vlatka Rajčić

# DRVENE KONSTRUKCIJE

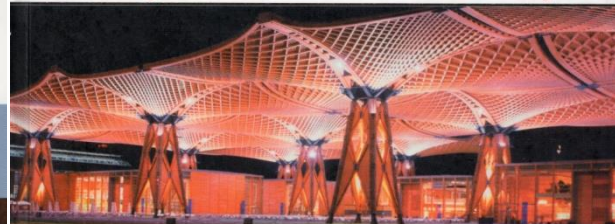
## PREMA EUROPSKIM NORMAMA

HRVATSKA SVEUČILIŠNA NAKLADA  
 GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU




Adriana Bjelanović Vlatka Rajčić




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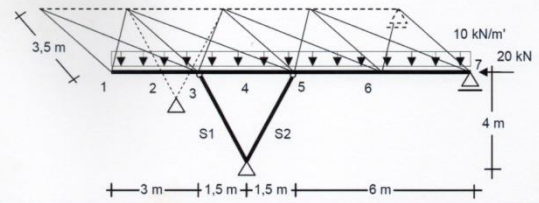
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Vlatka Rajčić Dean Čizmar Mislav Stepinac



Riješeni primjeri iz drvenih konstrukcija

$$\sigma_{adm} = \frac{M_{y,adm}}{W_y} = \frac{\pi \times \sqrt{E_{0,05}} \times I_y \times G_{0,05} \times I_{tr}}{l_{tr} \times W_y}$$

$$\left( \frac{\sigma_{t,Ed}}{k_{t,y} f_{t,Ed}} \right) + \left( \frac{\sigma_{m,y,Ed}}{k_{m,y} f_{m,y,Ed}} + k_m \frac{\sigma_{m,z,Ed}}{k_{m,z} f_{m,z,Ed}} \right) \leq 1$$


$$E_d = \sum \gamma_{0,j} G_{k,j} + \gamma_{Q1} Q_{k,1} + \sum_{i=2}^n \gamma_{0,i} \psi_{0,i} Q_{k,i}$$

GRAĐEVINSKI FAKULTET SVEUČILIŠTA U ZAGREBU



Osnovni tečaj o novim drvnim proizvodima i projektiranju drvenih konstrukcija

# Tečaj Zagreb



## Tečaj drvne gradnje

Osnovni tečaj o novim drvnim proizvodima i projektiranju drvenih konstrukcija

Zagreb  
Četvrtak, 10. veljače 2011. u vremenu od 08.30 - 18.30 sat  
Petak, 25. veljače 2011. u vremenu od 08.30 - 18.00 sat

Hotel Skarbova, Kneza Branka 2 10000 Zagreb  
[www.starbova-hotels.com](http://www.starbova-hotels.com)

Faculty of Civil Eng in Zagreb and Rijeka organised with proHolz seminars on timber design according to EN, with emphasise on CLT in 2012 and 2013.