

**dr Borut Juvanec, profesor**

**Polje raziskovanja** je predvsem teorija arhitekture, prvobitna arhitektura, vernakularna arhitektura: tista, ki je postavila temelje arhitekturi nasploh, predvsem pa moderni.

**Predmeti v šoli** so Elementi arhitekture v dodiplomskem študiju, Elementi oblikovanja na podiplomskem, seminar in doktorski ter podoktorski študij, tudi na drugih fakultetah. Predavanja na nizu evropskih univerz.

**Tip grafike** sega od fotografije, posnetka, skice do tehnične risbe, končni produkt je računalniška risba, seveda pa tudi diapozitivi za predavanja.

**Cilj risbe** je izključno in samo dokumentacija: razvoj v času in v prostoru, prikaz osebnega razumevanja in predstavitev vtisa, ki ga objekt v okolju daje.

**Tehnika risbe** je najprej posnetek, potem eksaktna tehnična risba (ki je osnova za scanning, ki omogoča računalniško obdelavo), do dodelave, barvanja, senčenja, postavitve v prostor, animacije, do simulacije delovanja.

**Opis tehnike:** najprej je na vrsti iskanje informacij, potem iskanje lokacije, skiciranje objekta, meritve (meritev na terenu, od koraka, vrvice, metra do GPS naprave za določitev lokacije), tehnično risanje, scanning, računalniška obdelava (kotiranje, oprema objekta, oprema lista, zaradi avtorstva in objav je potrebno narisati tudi geografske karte), potem računalniška dodelava skice same (programa Photoshop, CorelDraw!).

**Praktični prikaz postopka:** posnetek in meritve, risba detajlov in postavitve v prostor, tehnični načrt, računalniška risba (kotirani načrt z vsemi podatki), risba (pogledi in strukturna aksonometrija).

**Uporaba risbe v edukativnem procesu:** predstavitev vtisa s skico vzpodbudi gledalca in njegovo zanimanje, postopna skica razlaga postopke, fotografija predstavlja splošno trenutno stanje in vzdušje, animacija in simulacija gradnje ali delovanja najbolj nazorno kažeta končni efekt arhitekture, tako v prostoru kot v času.

*My research focuses on the theory of architecture, primary architecture, the vernacular architecture which has laid the foundations for all architecture, as well as modern architecture.*

*I am conducting courses on Elements in architecture for under-graduate students and Elements of design for post-graduate students. I am teaching seminars at doctoral and post-doctoral levels at the Faculty of Architecture in Ljubljana as well as at other faculties, including periodical lectures at various European universities.*

*In my work, I have been using various graphic techniques, from photographs, shots and sketches to technical drawings, always aiming at computer drawings as the final product, and - which almost goes without saying - lecture slides.*

*The aim of my drawings is documentation only. I have been placing attention to the development in time and space, the account of personal understanding and the presentation of the personal impression that buildings convey to their environment.*

*The drawing technique includes shots as the first step, followed by a precise technical drawing which serves as the basis for scanning allowing computer processing, and completed with colouring, shadowing, placement into space, animation and simulation.*

*The description of the technique applied: Information gathering is followed by site search, object sketching, measuring (field measuring, step measuring, string measuring, metre measuring and site placement with the help of GPS device), technical drawing, scanning, computer processing (including angle specification, object-equipment/furniture specification, paper equipment and map drawing for copy-right and publication purposes) and completed with computer elaboration of the sketch with Photoshop and CorelDraw! software.*

*Illustrative example (page B) Shot: El Pont de Vilomara (Barcelona), Spain; Details: Puglia, Italy; Technical plan: a kozolec (vernacular Slovene hayrack) at Bistra, Slovenia; Computer drawing: a bunar (the well), the island of Krk, Croatia*

*The application of the drawing in the teaching process: The sketch representing the impression arouses the viewer's interest. The step-by-step sketch illuminates the procedures. The photograph sheds light on the present state and ambience. The animation and simulation of the construction or its functions clearly illustrate the impact architecture has both on time and space.*

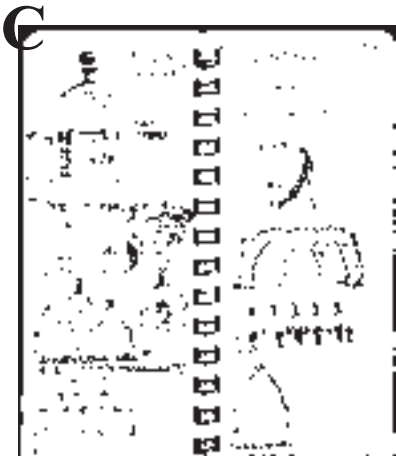
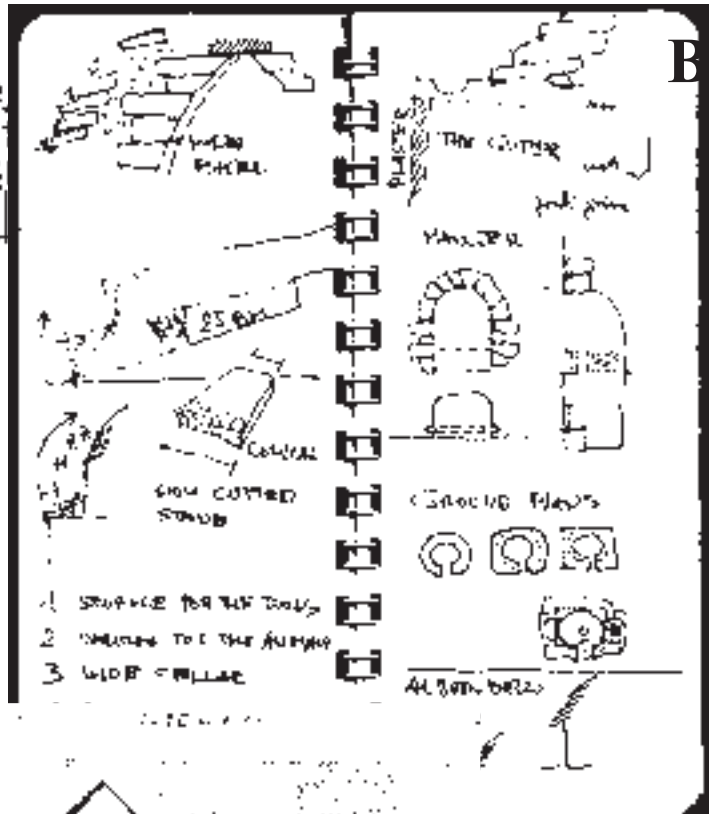
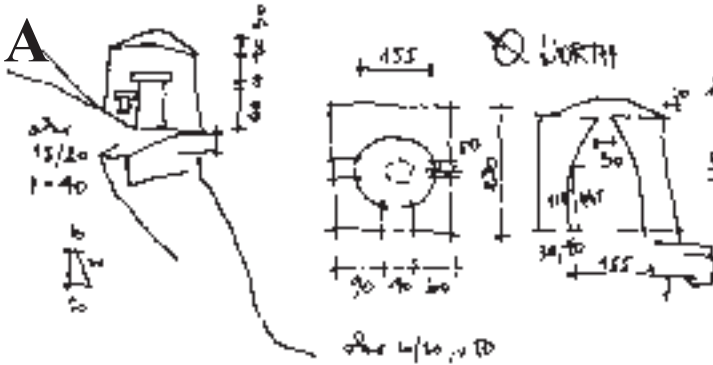
**Članki v/ Articles published in:** L'Architecture Vernaculaire Paris 1999, 2000; Prostor, znanstveni časopis Zagreb 1996, 2001; Sinteza Ljubljana 1975; Les Ljubljana 1978, 1980, 1985, 1998, 1999; Waller and Dyker Cardiff 1998; Zborniki slovenjgoriških občin 1995, 1999, 2000; Proceedings, Int. Conference on Vernacular Architecture AA 1991-2001; AR Arhitektura raziskave Ljubljana 2000, 2001; Arhitektura pri Lenartu Ljubljana 1998.

**UNESCO/ICOMOS/ISPROM/AA kongresi / congresses:** PROCEEDINGS of: Quebec 2001 CDN; Paris 2001 F; Roma 2000 I; Firenze 2000 I; Tusnad 1999 RO; Athenes 2001 GR; Bethlehem 1999 PAL.

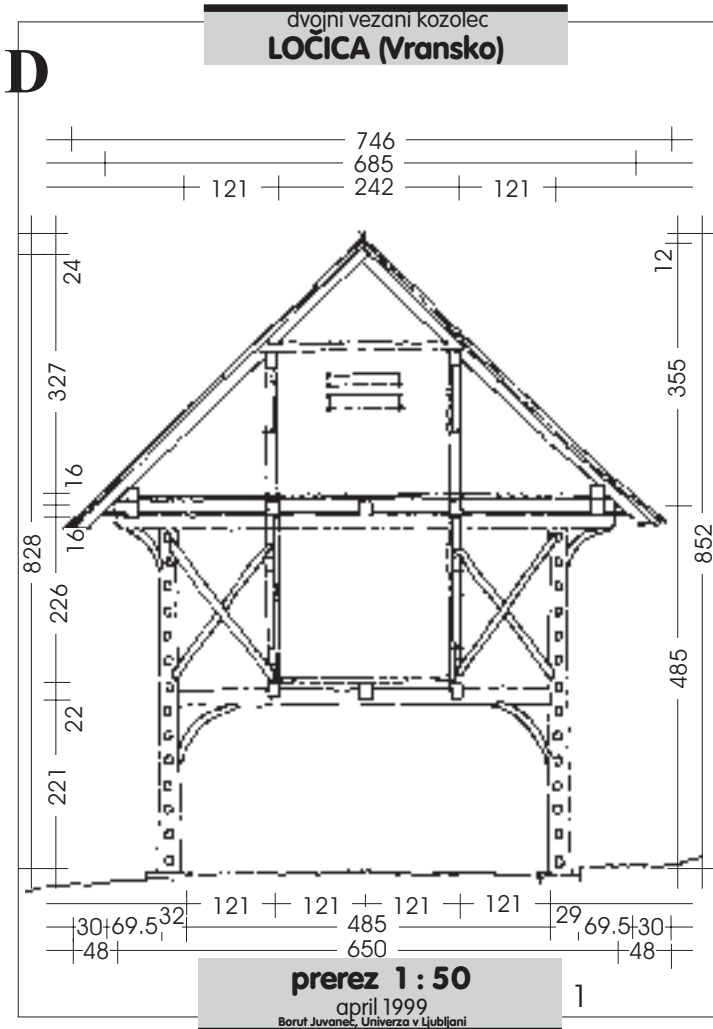
**Raziskave / Research work, kratke verzije / short versions:** STONE SHELTERS ISBN 961-6410-00-8 ; KOZOLEC/HAYRACK ISBN 961-90154-7-9 ; DRY STONE STORY ISBN 961-6410-02-4.

**CD Rom:** Les Cabanes en France ; Stone by Stone ;

**INTERNET:** Australia: <http://www.thezaurus.com/sloveniana/vernacular/>; France: <http://www.pierreseche.net>; [perso.libertysurf.fr/pierreseche/](http://perso.libertysurf.fr/pierreseche/); Slovenija: <http://www.ijs.si/kozolci/>; <http://www2arnes.si/aa/shelters/>; <http://www2.arnes.si/aa/>.

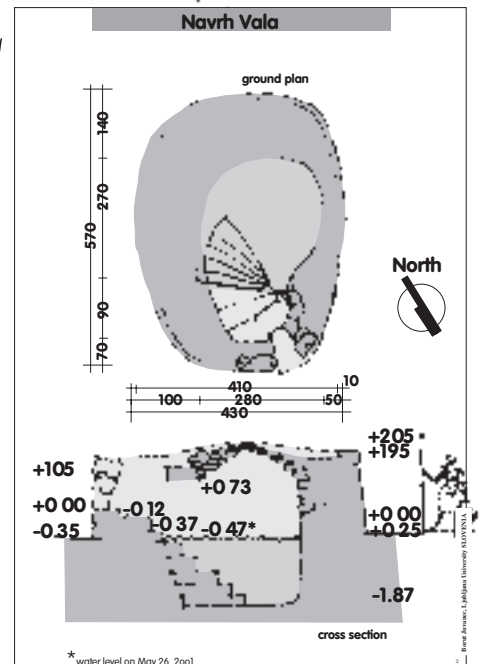


- A Posnetek in meritve na nestu samem: El Pont, E
- B Skicirka, konstrukcijski detajli: Puglia, I
- C Skice, sestavi objektov: trulli, Alberobello, I
- D Tehnična risba: kozolec pri Ločici, Vransko, SI
- E Načrt z računalniško obdelavo: Krk, HR
- F Domačija v Zg. Besnici, pogleda in strukturna aksonometrija



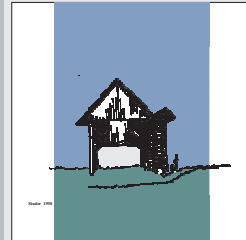
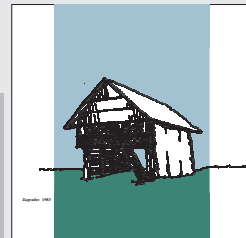
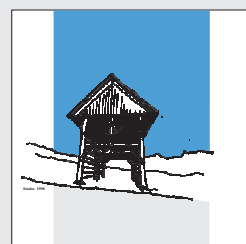
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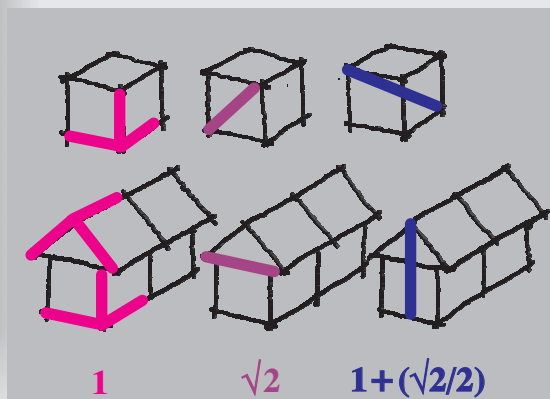




Studor 1998



Studor 1998



Trullo (plural trulli) is principle of building shelters in South of Italy, in Puglia. There are three towns too: Alberobello, Locorotondo and Martina Franca, constructed all of trulli. On islands of Elba caprille, and on Sardegna pineta, pinetta or pinneta can be found.

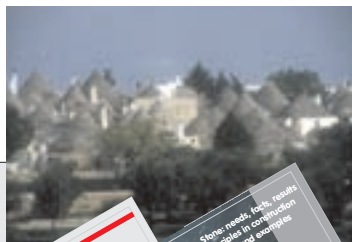
OBJECTS

Result of work:  
objects  
SHELTER

ITALY



Borut Juvanec, DRY STONE STORY



Trulli in the vi...

pineta in Sardegna, caprille in Elba island

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