



Cultural Heritage Identity Card


Univerza v Ljubljani Fakulteta za gradbeništvo in geodezijo Slovenia



Project Coordinator
Roko Žarnić






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Basic Facts

- Founded 1919
- 23 faculties, 3 academies
- 47.000 students
- 4343 teaching & research staff
- 1577 technical & administrative staff
- Ljubljana: 300.000 inhabitants
- Slovenia: 2 million population
- GDP per capita app. 14.000 €





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Faculty of Civil and Geodetic Engineering



- 1875 students (2008/09)
- 296 teaching & research & technical staff
- 21 units (Chairs),
2 laboratories
1 institute

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Project Team Chair of Research in Materials and Structures

- Prof. Dr. Roko Žarnić (chair)
- Assist. Prof. Dr. Violeta Bokan Bosiljkov
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- Assist. Prof. Dr. Jana Šelih
- Dr. Marjana Šijanec Zavrl
- Eng. Franci Čepon
- Eng. David Antolinc, Ph.D. Student
- Eng. Petra Štukovnik, Ph.D. Student
- Eng. Meta Kržan, Ph.D. Student






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Major international references

- **FP4**
 - ATEM - Advanced Testing of masonry
 - EUROQUAKE
- **FP5**
 - SAFEFLOOR
 - LIFETIME
- **FP6**
 - ENABLE (ECTP)
 - CHRAF
 - FUTURE BRIDGE
- **FP7**
 - EU CHIC
 - Climate for Culture
 - Perpetuate
 - REG CON
- **EUREKA**
 - PREVENT
 - COMREHAB
 - LIMEPLASTER
- **COST**
 - C5 - Urban Heritage-Building Maintenance
 - C16- Improving building envelope
 - C530
 - C25 Sustainability of Constructions
 - TU0905 Structural Glass


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Links in benefit of CHIC

- ECTP FACH Network
- CHIC Advisory Network in development (10 letters of support)
- Ministry of Culture of R Slovenia
- NET HERITAGE
- ICOMOS Slovenia (vice chairmanship)







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Major equipment

- Instron servo-hydraulic testing machine 1000 kN
- Roell-Amsler servohydraulic testing machine 100kN with thermal chamber
- Servo-hydraulic actuators: one 250kN, two 500 kN with ± 250 mm displacement, one 3000 kN
- Portable Videomicroscope HIROX up to 1700 magnification (50 portable)
Surface digitalisation, 0,5 μ m step
- HBM Spider 6X8 data acquisition system with various transducers






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Investigation of CH structures

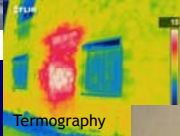
- NDT, MDT and DT techniques of investigation.
- Structural investigation of CH structures.
- Data-base systems for the evaluation of the state of structures.



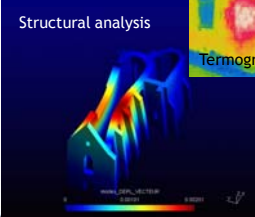
Stone masonry




After grouting





Thermography



Structural analysis



In-situ shear test

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Thank you for your attention.



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