

**EUROPEAN  
CURRICULUM  
VITAE  
FORMAT**



**PERSONAL INFORMATION**

Name	<b>Ivo Čolak</b>
Address	Matice hrvatske bb, 88000 Mostar
Telephone	00 387 36 355 012
Fax	00 387 36 355 001
E-mail	ivo.colak@gfmo.ba
Nationality	Croat
Date of birth	5 <sup>th</sup> June 1968

**WORK EXPERIENCE**

<ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and address of employer</li> <li>• Type of business or sector</li> <li>• Occupation or position held             <ul style="list-style-type: none"> <li>• Main activities and responsibilities</li> </ul> </li> </ul>	<p>1993 – 2018</p> <p>Faculty of Civil Engineering University of Mostar, Matice hrvatske bb, 88000 Mostar</p> <p>Science and Education, sector Civil Engineering</p> <p>Full Professor</p> <p>Expert in the field of engineering mechanics (analysis of structures, modeling of structures and design, strength of materials, theory of elasticity, theory of plates)</p>
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**EDUCATION AND TRAINING**

<ul style="list-style-type: none"> <li>• Dates (from – to)</li> <li>• Name and type of organisation providing education and training             <ul style="list-style-type: none"> <li>• Principal subjects/occupational skills covered</li> </ul> </li> <li>• Title of qualification awarded             <ul style="list-style-type: none"> <li>• Level in national classification (if appropriate)</li> </ul> </li> </ul>	<p>1987-1992</p> <p>Faculty of Civil Engineering University of Mostar, B&amp;H</p> <p>Graduation thesis: Structural calculation of viaduct, 1992 (Prestressed concrete structures), Advisor: Prof. Dragan Milašinović, Ph.D.</p> <p>B. S. Civil Engineer</p> <p>Graduated Study</p>
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- Dates (from – to)
- Name and type of organisation providing education and training
  - Principal subjects/occupational skills covered
- Title of qualification awarded
  - Level in national classification (if appropriate)

1998-2003
Faculty of Philosophy University of Mostar, B&H
Graduation thesis: Analysis of film criticism, 2003 Advisor: Prof. Marko Sapunar, Ph.D. (Zagreb)
B. A. in Journalism
Graduated Study

- Dates (from – to)
- Name and type of organisation providing education and training
  - Principal subjects/occupational skills covered
- Title of qualification awarded
  - Level in national classification (if appropriate)

1993-1997
Faculty of Civil Engineering and Architecture University of Split, Croatia
Postgraduate study: "Numerical modeling", Master's thesis: Numerical modeling of space 3D structures with constant properties in one direction, 1996 Advisor: Blaž Gotovac, Ph.D. (Split), Co-advisor: Frano B. Damjanić, Ph.D. (Ljubljana, Padua, Swansea)
Master of Science (M Sc)
Post Graduated Study

- Dates (from – to)
- Name and type of organisation providing education and training
  - Principal subjects/occupational skills covered
- Title of qualification awarded
  - Level in national classification (if appropriate)

1998-2002
Faculty of Civil Engineering University of Mostar, B&H (where he won the doctorate, validated in Croatia)
Dissertation: Numerical modeling of bending thin plates of general shape, 2002 Advisor: Blaž Gotovac, Ph.D. (Split), Co-advisor: V. Kozulić, Ph.D. (Rijeka)
B. S. Civil Engineer
PhD

- Dates (from – to)
- Name and type of organisation providing education and training
  - Principal subjects/occupational skills covered
- Title of qualification awarded
  - Level in national classification (if appropriate)

2003-2003
Baudirektion Kanton Zuerich (BKZ) ETH-Zuerich Univer., Switzerland
Lectures in modeling of structures, Expert consultant in repair and reconstruction of structures of BKZ
PhD specialist
Post Doctoral Study

**PERSONAL SKILLS  
AND COMPETENCES**

*Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.*

MOTHER TONGUE

Croatian

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

English

Very good

Very good

Very good

**SOCIAL SKILLS  
AND COMPETENCES**

*Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.*

Cinematography,  
Journalism,  
Basketball,  
Tennis...

**ORGANISATIONAL SKILLS  
AND COMPETENCES**

*Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.*

Vice Dean for academic affairs at Faculty of Civil Engineering University of Mostar, 2002 - 2004  
Dean at Faculty of Civil Engineering University of Mostar, 2004 – 2009  
Vice Rector for science and development at University of Mostar, 2009 – 2013  
Rectors Ass. for development at University of Mostar, 2013 – 2014  
Vice Rector for science and development at University of Mostar, 2014 – 2018

**TECHNICAL SKILLS  
AND COMPETENCES**

*With computers, specific kinds of equipment, machinery, etc.*

Basic computers softwares,

**ARTISTIC SKILLS  
AND COMPETENCES**

*Music, writing, design, etc.*

Cinematography,  
Director of three documentary movies,  
Screenwriter of the four documentary movies

**OTHER SKILLS  
AND COMPETENCES**

*Competences not mentioned above.*

Author of many monographs, symbols and signs of different institutions, symposiums, faculties, cities...

**DRIVING LICENCE(S)**

Yes

## ADDITIONAL INFORMATION

Assistant and senior assistant in courses *strength of materials I*, *strength of materials II* and *applied theory of elasticity* at Faculty of Civil Engineering University of Mostar, 1993 -2001

Researcher and laboratory chief at Institute of Civil Engineering University of Mostar, 1996 - 1999 (part-time)

Teacher and lecturer in course *engineering mechanics* (Advanced School of Civil Engineering), University of Mostar, since 2000

Assistant professor and teacher in courses *strength of materials I*, *strength of materials II* and *applied theory of elasticity* at Faculty of Civil Engineering University of Mostar, 2002 - 2005

Associate professor and teacher in courses *strength of materials I*, *strength of materials II* and *applied theory of elasticity* at Faculty of Civil Engineering University of Mostar, 2005-2008

Full professor and teacher in courses *strength of materials I*, *strength of materials II*, *theory of plates* and *applied theory of elasticity* at Faculty of Civil Engineering University of Mostar, since 2008

- Vice President of the Croat Society of Architects and Civil Engineers of Bosnia and Herzegovina, *since 2001*,

- Member of Bosnian and Herzegovinian Federal committee for organization of state professional exams – structural program, *since 2000-2006*,

- Member of the Cantonal committee of West Herzegovina District for organization of professional exams in the field of architecture and civil engineering, *2000 - 2002*,

- Member of Presidency of Matica hrvatska (Central Croatian Cultural and Publishing Society) Široki Brijeg, department of culture and science, *since 2002*,

- Editor-in-chief of the journal of Matica hrvatska Široki Brijeg, *since 2005*,

- Editor-in-chief of the "Scientific Herald" ("Znanstveni glasnik"), journal for natural and technical sciences, University of Mostar, *since 2009*.

- Member of Bosnian and Herzegovinian Federal Fund of Cinematography, *since 2011*,

- Member of Bosnian and Herzegovinian Committee of Science, *since 2012*,

- President of Bosnian and Herzegovinian Federal committee for organization of state professional exams – structural program, *since 2014-*,

- President of Bosnian and Herzegovinian Federal Fund of Cinematography, *since 2015*,

- Chief of the Department of Science and Education of HNS, *since 2015*.

- Co-advisor: 6<sup>th</sup> DAAAM International Doctoral School 2017, November 5<sup>th</sup> – November 11<sup>th</sup> 2017. DAAAM International Vienna, *DAAAM International Doctoral School* in frame of *DAAAM International Week*. Main organ. DAAAM International Vienna, Co-organ.: International Academy of Engineering – Central European Branch, Baltic State Technical University, Far Eastern Federal University, FESTO, FSB – University of Zagreb, FTN – University of Novi Sad, IFT – Vienna University of Technology, International Academy of Engineering, Pontifical University of Saint Thomas Aquinas, Riga Technical University, Russian Academy of Engineering, Tallinn University of Technology, Ulsan University, University of Mostar, Russian State University for the Humanities, Moscow State Technological University Stankin, Russian Academy of Sciences – KIAM, University of Split, Moscow State University of Instrument Engineering and Informatics, University of Nagoya, Politechnic University of Bucharest, National Research University Higher School of Economics.



## ANNEXES

### A. Scientific papers published in international and domestic journals

1. COLAK, I., Scientific side of reconstruction of the Old Bridge in Mostar, Baudirektion Kanton Zuerich, Hochbauamt, Einladung zu einem Vortrag (in englisch), Published (parts of lecture, 6th June, 2003) in BD persoenlich, Mitarbeiterzeitung der Baudirection Kanton Zuerich, Nr.20/September 2003, pp. 8-9, Zurich, 2003
2. GOTOVAC, B., KOZULIĆ, V., ČOLAK, I., Numerical modeling of shell and beam elements, SCIENTIFIC HERALD, journal for natural and technical sciences, University of Mostar, No. 14, ISSN 1025-7977, pp. 91-107, University of Mostar, Mostar, 2004 (*scientific article*)
3. ČOLAK, I., GOTOVAC, B., KOZULIĆ, V., Numerical analysis of 3D structures with constant properties in the third coordinate direction, SCIENTIFIC HERALD, journal for natural and technical sciences, University of Mostar, No. 15, ISSN 1025-7977, pp. 39-55, University of Mostar, Mostar, 2004 (*scientific article*)
4. MARIJANOVIĆ, P., GLIBIĆ, M., ČOLAK, I., ZOVKO, T., A century of the Široki Brijeg basilica – history, materials, geometry, structure, Vitko, journal of MH Š. Brijeg, yr. IV, No.6, ISSN 1512-8903, pp. 9-19, MH Š. Brijeg, 2005
5. GOTOVAC, B., KOZULIC, V. & COLAK, I., Numerical Modeling of Structures Consisting of Shell and Beam Elements, DAAAM International Scientific Book 2004, ISBN: 3-901509-38-0, ISSN: 1726-9687, Ed. B. Katalinic, pp. 231-241, Published by DAAAM International Vienna, Vienna, 2004 (*scientific article*)
6. COLAK, I., GOTOVAC, B. & KOZULIC, V., Numerical Analysis of 3D Structures with Constant Properties in the Third Direction, DAAAM International Scientific Book 2005, ISBN: 3-901509-38-0, ISSN: 1726-9687, Ed. B. Katalinic, pp. 119-127, Published by DAAAM International Vienna, Vienna, 2005 (*scientific article*)
7. GLIBIĆ, M., ČOLAK, I., Structural system of the old parish church in Gradnići, Yr. No. 3, pp. 39-49, Gradnići, 2006
8. KOZULIC, V., GOTOVAC, B. & COLAK, I., Multilevel Mesh Free Method for the Torsion Problem, DAAAM International Scientific Book 2006, ISBN: 3-901509-38-0, ISSN: 1726-9687, Ed. B. Katalinic, pp. 365-385, Published by DAAAM International Vienna, Vienna, 2006 (*scientific article*)
9. GLIBIĆ, M., ČOLAK, I., Church in Gorica near Livno, AGD profi, journal for architecture, civil engineering and design, No. 24, IDB 4201006300006, pp. 82-90, Pregola Inc., Sarajevo, 2007 (*scientific expert article*)
10. ČOLAK, I., A Review of Revitalization the Old Bridge Location, TTI – transportation and transport infrastructure, No. 1, ISSN 9-771840-280140, pp. 67-73, Association of Consulting Engineers of Bosnia and Herzegovina (UKI BiH), Sarajevo, 2007 (*scientific expert article*)
11. JURISIĆ, M., GLIBIĆ, M., ČOLAK, I., Reconstruction of the structure of the Vojno-Potoci bridge, AGD profi, journal for architecture, civil engineering and design, No. 30, IDB 4201006300006, pp. 84-90, Pregola Inc., Sarajevo, 2008 (*scientific expert article*)
12. ČOLAK, I., GLIBIĆ, M., Structural details of the new Neo-Romanesque church in Široki Brijeg, SCIENTIFIC HERALD, journal for natural and technical sciences, University of Mostar, ISSN 1025-7977, University of Mostar, Mostar, 2008
13. GLIBIĆ, M., ČOLAK, I., DUGANDŽIĆ, I., Structure of the stone church in Rasno, Vitko, journal of MH Š. Brijeg, yr. VIII, No.12, ISSN 1512-8903, Š. Brijeg, 2009 (*scientific expert article*)
14. ČOLAK, I., GLIBIĆ, M., Modeling of spatial structures with the same properties in one direction, SCIENTIFIC HERALD, journal for natural and technical sciences, University of Mostar, ISSN 1025-7977, University of Mostar, Mostar, 2009 (*scientific article*)
15. ČOLAK, I., GOTOVAC, B. & KOZULIĆ, V., Numerical Modeling of Space Structures with Constant Properties, Technical Herald, Ed. V. Sigmund, Published by University of Osijek, Osijek, 2009 (*scientific article*)

16. COLAK, I., The Reconstruction of the Old Bridge in Mostar, DAAAM International Scientific Book 2016, ISBN: 3-901509-38-0, ISSN: 1726-9687, Ed. B. Katalinic, Published by DAAAM International Vienna, Vienna, 2016

#### **A1. Master's and doctoral thesis**

1. ČOLAK, I., Numerical Modeling of Space Three-dimensional Structures with Constant Properties in One Direction, Master's thesis, Faculty of Civil Engineering University of Split, Split, 1996
2. ČOLAK, I., Numerical Modeling of Bending Thin Plates of General Shape, Doctoral dissertation, Faculty of Civil Engineering Univ. of Mostar, Mostar, 2002

#### **B. Papers published in proceedings of international scientific symposia**

1. COLAK, I., The finite prisms method, Proceedings of the 3rd International Conference UPS 2004, Business Systems Management, September 23rd – 24th, 2004, University of Mostar, Faculty of Mech. Engineering and Computing, DAAAM International Vienna, Austrian Society of Engineers and Architects OEIAV – 1848, Scientific and Technical Forum, ISBN 3-901509-24-0, pp. 063-069, Mostar – Vienna, 2004 (*scientific article*)
2. GLIBIĆ, M. & ČOLAK, I., Structural system of the church of Assumption of the Blessed Virgin Mary in Široki Brijeg, International Scientific Expert Conference - A Hundred Years of New Church in Široki Brijeg, bulletin, pp. 69-71, The Franciscan Monastery, Široki Brijeg, 2005
3. ŠARAVANJA, K., ČOLAK, I., Stone for reconstruction of the Old Bridge in Mostar, First Convention of Croatian Bridge Constructors, Proceedings, ISBN 953-6175-22-3, ed. J. Radić, pp. 785-795, Secon HDGK, Brijuni Islands, 2005
4. ČOLAK, I., A short review of revitalization of the Old Bridge site, First Convention of Croatian Bridge Constructors, Proceedings, ISBN 953-6175-22-3, ed. J. Radić, pp. 779-785, Secon HDGK, Brijuni Islands, 2005
5. GLIBIĆ, M., ČOLAK, I. & GOTOVAC, B., Specific details of structures in the area of Blidinje, The First International Scientific Symposium - Blidinje 2005, Proceedings, ISBN 9958-9170-2-5, ed. I. Čolak, pp. 419-437, Blidinje Nature Park, 2005
6. ŠARAVANJA, K., ČOLAK, I., Reconstruction of demolished bridges on Neretva, First Convention of Croatian Bridge Constructors, Proceedings, ISBN 953-6175-22-3, ed. J. Radić, pp. 887-897, Secon HDGK, Brijuni Islands, 2005
7. ČOLAK, I., Overview of the project of reconstruction of the Old Bridge in Mostar, International Scientific Expert Symposium – Civil Engineering, Science and Practice, Proceedings, Volume 1, ISBN 86-82707-12-8, ed. D. Lučić, pp. 123-129, Faculty of Civil Engineering in Podgorica, University of Montenegro, Podgorica, 2006
8. KOZULIĆ, V., GOTOVAC, B. & ČOLAK, I., Multilevel mesh free method for the torsion problem, International Conference – Modern Problems in Civil Engineering, Proceedings, ISSN 0352-6852, ed. D. Milašinović, University of Novi Sad, Faculty of Civil Engineering Subotica, Subotica, 2006
9. GLIBIĆ, M., ČOLAK, I., Structural system of the Church of Assumption of the Blessed Virgin Mary in Široki Brijeg, International Scientific Expert Conference One Hundred Years of the New Church in Široki Brijeg 1905 - 2005, Proceedings, ISBN 9958-9170-4-1, ed. I. Čolak, pp. 455-471, Franciscan Monastery Široki Brijeg, Široki Brijeg, 2006
10. GLIBIĆ, M., ČOLAK, I., Church in Gorica near Livno, Second International Scientific Expert Symposium – Civil Engineering, Science and Practice, Proceedings, volume 1, ISBN 978-86-82707-14-1, ed. S. Rutešić, pp. 681-691, Faculty of Civil Engineering in Podgorica, University of Montenegro, Podgorica, 2008

11. SARAVANJA, K. & ČOLAK, I., The new Old Bridge in Mostar – a reinforced perfectly squared stone bridge, CHRESP Conference, Proceedings, Faculty of Civil Engineering University in Ljubljana, Ljubljana, 2008
12. COLAK, I., GOTOVAC, B. & KOZULIC, V., Numerical analysis of 3D structures with constant properties in the third direction, International Scientific Symposium - Modeling of Structures, published by Faculty of Civil Engineering University of Mostar, Mostar, 2008
13. KOZULIC, V., GOTOVAC, B. & COLAK, I., Multilevel mesh free method for the torsion problem, International Scientific Symposium - Modeling of Structures, published by Faculty of Civil Engineering University of Mostar, Mostar, 2008
14. GLIBIĆ, M., ČOLAK, I. & GOTOVAC, B., Specific Details of Structures in Area of Blidinje, International Scientific Symposium - Blidinje 2015, Proceedings, ISBN 9958-9170-2-5, ur. I. Čolak, p. 419-437, Blidinje-Masna Luka, 2015.

### **C. Papers published in proceedings of domestic scientific symposia**

1. GOTOVAC, B., KOZULIĆ, V., ČOLAK, I., Introduction to numerical modeling of spatial structures, Collected Papers of Faculty of Civil Engineering University of Mostar, No. 1, ISSN 1512-9322, pp. 69-104, Faculty of Civil Engineering University of Mostar, Mostar, 2001 (*scientific article*)
2. ČOLAK, I., Editorial, Collected Papers of Faculty of Civil Engineering University of Mostar, No. 1, ISSN 1512-9322, editor-in-chief: I. Čolak, pp. 7-9, Faculty of Civil Engineering University of Mostar, Mostar, 2001
3. GOTOVAC, B., KOZULIĆ, V., ČOLAK, I., Numerical modeling of spatial 3D structures with constant properties in one direction, Collected Papers of Faculty of Civil Engineering University of Mostar, No. 2, ISSN 1512-9322, pp. 307-325, Faculty of Civil Engineering University of Mostar, Mostar, 2002 (*scientific article*)
4. ČOLAK, I., Editorial (A Word from Editor), Collected Papers of Faculty of Civil Engineering University of Mostar, No. 2, ISSN 1512-9322, editor-in-chief: I. Čolak, pp. 7-9, Faculty of Civil Engineering University of Mostar, Mostar, 2002
5. ČOLAK, I., Scientific Hours, Collected Papers of Faculty of Civil Engineering University of Mostar, No. 3 – jubilean Collected Papers – Monograph marking 25 years of Faculty of Civil Engineering, ISSN 1512-9322, editor-in-chief: I. Čolak, pp. 15-17, Faculty of Civil Engineering University of Mostar, Mostar, 2003
6. GLIBIĆ, M., ČOLAK, I., Old church in Gradnići, structure details, Gradnići, 2006
7. ČOLAK, I., Editorial, Earthquake engineering, round table, bulletin, Faculty of Civil Engineering University of Mostar, Mostar, 2007.
8. ČOLAK, I., GLIBIĆ, M., ČUBELA, D., Specific Details of Structures in Area of Mostarski Gradac, International Scientific Symposium, Proceedings, (Vrila tradicijskog naslijeđa), ISBN 9958-9170-1-8, Široki Brijeg, 2017.

### **D. Books, course materials, various publications, chapters in books**

1. ČOLAK, I., Method of Finite Prisms, University of Mostar, DGIT HB, GKM, UDK 642.042 (0.064), Mostar, 1997 (*scientific book*)
2. GOTOVAC, B., KOZULIĆ, V., ČOLAK, I., Industrial Finite Element Analysis Package STRIP, Faculty of Civil Engineering University of Split, Split, 1997 (*scientific computer software*)
3. GOTOVAC, B., KOZULIĆ, V., ČOLAK, I., Introduction to Numerical Modeling of Spatial Structures, ISBN 9958-690-05-5, University of Mostar, Mostar, 2001 (*scientific book*)
4. ČOLAK, I., GLIBIĆ, M., Numerical Analysis of Structures with Constant Properties in One Direction, ISBN 9958-690-05-5, University of Mostar, Mostar, 2005. (*scientific book*)



5. ČOLAK, I., A Builder's Diary - Reconstruction of the Old Bridge Site in Mostar, book accompanying the film A Builder's Diary directed by Jasmila Žbanić, Unblocking-Sarajevo, the City of Mostar, UNESCO, Mostar-Sarajevo, 2007
6. GLIBIĆ, M., ČOLAK, I., Eight Pictures on the Reconstruction of Eight Churches, ISBN 9958-690-05-5, University of Mostar, Mostar, 2012
7. ČOLAK, I., Numerical Modeling of Bending of Thin Plates, Faculty of Civil Engineering University of Mostar, Mostar, 2018 (*scientific book – in preparation*)

#### **E. Expert papers and expert projects**

1. *Business and residential building "Puringaj", Široki Brijeg, Design company: Faculty of Civil Engineering University of Mostar, Position: architectural and structural designer, supervision, Location: Široki Brijeg, 1995*
2. *Tribistovo water tanks, Posušje, max. 2x1500 m<sup>3</sup>, Design company: Hering, Široki Brijeg, Position: architectural and structural designer, Location: Posušje, 1996*
3. *Church in Vionica, Medjugorje, Design company: Faculty of Civil Engineering University of Mostar, Position: architectural and structural co-designer, Location: Međugorje, 1997*
4. *Laboratory testing of materials for several projects, Mostar, 1996, 1997, 1998, 1999, Design company: Institute of Civil Engineering University of Mostar, Position: laboratory chief and scientific researcher, Locations: Mostar, Čapljina, Š. Brijeg, Čitluk, Posušje, Ljubuški, Ploče..., 1996 - 1999*
5. *Conceptual design "The Way of the Cross" for the Franciscan Monastery in Široki Brijeg, Client: Franciscan Monastery in Široki Brijeg, Position: team member, preparation of part of the project, Location: Široki Brijeg, 1997*
6. *Reconstruction of the Grubine structure, Imotski, Design company: Faculty of Civil Engineering University of Mostar, Position: architectural and structural designer, Location: Grubine, Imotski, 1998*
7. *The bridge of Vidoši-Sturba, Livno, Design company: Faculty of Civil Engineering University of Mostar, Position: structural designer, Location: Vidoši-Sturba, Livno, 1998*
8. *Villa STOJIC, Čitluk-Medjugorje, Design company: PGP A3, Široki Brijeg, Position: architectural and structural designer, supervision, Location: Čitluk, 1999*
9. *Detailed design of the first floor for the department store "Interijer", Ljubuški, Design company: Peristil, Široki Brijeg, Position: architectural designer, supervision, Location: Ljubuški, 1999*
10. *Two business and residential buildings ZARCOL (1200 m<sup>2</sup>), Široki Brijeg, Design company: PGP A3, Široki Brijeg, Position: architectural and structural designer, supervision, Location: Široki Brijeg, 1999*
11. *Saw-mill DIP (1400 m<sup>2</sup>) and its support structures, Trn, Široki Brijeg, Design company: PGP A3, Široki Brijeg, Position: architectural and structural designer, supervision, Location: Široki Brijeg, 2000*
12. *Department store "BIMACO", Široki Brijeg (1800 m<sup>2</sup>), Design company: T&D Company, Ljubuški, Position: architectural and structural designer, supervision, Location: Široki Brijeg, 2000*
13. *Outside altar of the church in Rasno, Široki Brijeg, Position: architectural and structural designer, supervision, Location: Rasno, Široki Brijeg, 2001*
14. *Conceptual design and design of parterre and surrounding area of the church in Rasno, Š. Brijeg, Position: analysis of the old structure, investigations and testings of the structure and surrounding area, diagnosis, architectural design, reconstruction solution, Location: Rasno, Široki Brijeg, 2001*
15. *Pharmaceutical business center (pharmacy, warehouse, wholesale), Trn, Š. Brijeg (1200 m<sup>2</sup>), Design company: Faculty of Civil Engineering University of Mostar, Position: architectural and structural designer, supervision, Location: Trn, Široki Brijeg, 2002*

16. Filling station Jare, Široki Brijeg, *Design company:* T&D Company, Ljubuški, *Position:* architectural and structural designer, supervision, *Location:* Jare, Široki Brijeg, 2002
17. The project of reconstruction of the OLD BRIDGE in Mostar, Mostar (supervisor), 2002, 2003, 2004, *Supervisory company:* OMEGA engineering, Dubrovnik, *Position:* team member of the authorized Supervisor, *Location:* Mostar, 2002 - 2004
18. Projects of reconstruction and repair of structures of BKZ, Zurich, Switzerland, IV-VIII, 2003, *Design company:* Baudirektion Kanton Zuerich, Zurich, *Position:* expert consultant, *Location:* Zurich, Switzerland, 2003
19. Project of reconstruction of the gymnasium in Winterthur, Switzerland, *Design company:* Baudirektion Kanton Zuerich, Zurich, *Position:* expert consultant, *Location:* Winterthur, Kanton Zuerich, Switzerland, 2003
20. Project of reconstruction of the OLD BRIDGE in Mostar, Mostar (review), *Reviewing company:* OMEGA engineering, Dubrovnik, *Position:* member of reviewing team for review of the project of reconstruction of the Old Bridge, (*Review of the project of General Engineering from Florence, Italy, was performed*), *Location:* Mostar, 2003
21. Business and warehouse structure ELKATEH Inc., Bišće polje, Mostar (1000 m<sup>2</sup>), *Design company:* Faculty of Civil Engineering University of Mostar, *Position:* architectural and structural design, supervision, *Location:* Bišće polje, Mostar, 2003
22. Project of reconstruction of the Tara and Halebija towers near OLD BRIDGE, Mostar (supervision), 2003, 2004, *Supervisory company:* OMEGA engineering, Dubrovnik, *Position:* team member of the authorized Supervisor, *Location:* Mostar, 2003 - 2004
23. Residential buildings of the Ministry of Defenders of WHD in Š. Brijeg (1400 m<sup>2</sup>), Široki Brijeg, *Design company:* URBIS '86. Inc., Š. Brijeg, *Reviewing company:* Faculty of Civil Engineering University of Mostar, *Position:* reviewer of structural design (mechanical strength and stability of structures), *Location:* Široki Brijeg, 2004
24. Residential buildings of the Ministry of Defenders of WHD in Ljubuški (2600 m<sup>2</sup>), Ljubuški, *Design company:* T & D company, Ljubuški, *Reviewing company:* Faculty of Civil Engineering University of Mostar, *Position:* reviewer of structural design (mechanical strength and stability of structures), *Location:* Ljubuški, 2004
25. Business structure "VOKEL" Inc., Posušje (reviewer), Vinjani, *Design company:* Vranica Inc., Sarajevo, *Reviewing company:* Hering, Široki Brijeg, *Position:* reviewer of structural design (mechanical strength and stability of structures), *Location:* Vinjani, 2004
26. Residential buildings of the Ministry of Defenders of WHD in Grude (2700 m<sup>2</sup>), Grude, *Design company:* Tomić-inženjering Inc., Ljubuški, *Reviewing company:* Faculty of Civil Engineering University of Mostar, *Position:* reviewer of structural design (mechanical strength and stability of structures), *Location:* Grude, 2004
27. Residential buildings of the Ministry of Defenders of WHD in Posušje (2750 m<sup>2</sup>), Posušje, *Design company:* URBIS '86. Inc., Š. Brijeg, *Reviewing company:* Faculty of Civil Engineering University of Mostar, *Position:* reviewer of structural design (mechanical strength and stability of structures), *Location:* Posušje, 2004
28. Business structure "EKO TRADE", garages and parking area in Klanac (reviewer), Široki Brijeg, *Design company:* Hering, Široki Brijeg, *Reviewing company:* Faculty of Civil Engineering University of Mostar, *Position:* reviewer of structural design (mechanical strength and stability of structures), *Location:* Široki Brijeg, 2004
29. Hydroelectric power plant Peć Mlini, Grude, *Design company:* Elektroprojekt, Zagreb, *Client:* Elektroprivreda HB and West Herzegovina District, *Position:* president of the Board for technical inspection of the hydroelectric power plant Peć Mlini, *Location:* Peć Mlini, Grude, 2005.
30. Water supply system Dubrave, section of DN 500 pipeline crossing

from the left to right bank of Neretva, redesign of section from st, 0+313,89-0+720,68, Čapljina, *Design company*: Company for research, studies, design and consulting WATER MANAGEMENT AUTHORITY Inc., Mostar, *Reviewing company*: Faculty of Civil Engineering University of Mostar, *Position*: reviewer of structural design (mechanical strength and stability of structures), *Location*: Dubrave, Čapljina, 2005

31. Lučki Bridge in Mostar, *Client*: the City of Mostar, Department of urbanism and construction, *Position*: member of Board for technical inspection of the structure of Lučki Bridge, *Location*: Mostar, 2005
32. Extension of department store "BIMACO", Široki Brijeg (1800 m<sup>2</sup>), *Design company*: Faculty of Civil Engineering University of Mostar, *Position*: architectural and structural designer, *Location*: Široki Brijeg, 2006
33. Hydroelectric power plant Peć Mlini, Grude, *Design company*: Elektroprojekt, Zagreb, *Client*: Elektroprivreda HB and West Herzegovina District, *Position*: president of the Board for repeated technical inspection and supplementary report for the hydroelectric power plant Peć Mlini, *Location*: Peć Mlini, Grude, 2006
34. Regional traffic study of the road network of Herzegovina-Neretva District, *Design company*: Faculty of Civil Engineering University of Mostar, *Position*: expert co-ordinator, *Client*: Ministry of traffic and communications of Government of HND, *Location*: Herzegovina-Neretva District, Mostar, 2006
35. Regional traffic study of the road network of West Herzegovina District, *Design company*: Faculty of Civil Engineering University of Mostar, *Position*: expert co-ordinator, *Client*: Government of WHD, *Location*: West Herzegovinian District, Široki Brijeg, 2006
36. Project design of the new building of the Faculty of Civil Engineering University of Mostar (4000 m<sup>2</sup>), Mostar, *Design company*: Faculty of Civil Engineering University of Mostar, *Position*: project co-manager, *Location*: Campus of University of Mostar, 2006.
37. A Builder's Diary, documentary film directed by Jasmila Žbanić on the project of reconstruction of the Old Bridge, *Company*: Unblocking-Sarajevo, the City of Mostar, UNESCO, *Position*: expert collaborator in script in the fields of construction and architecture, *Location*: Mostar, 2007
38. Business structure "EKO TRADE", construction of extension, *Design company*: Faculty of Civil Engineering University of Mostar, *Position*: architectural and structural designer, *Location*: Široki Brijeg, 2007
39. Business and residential building BUBALO, *Design company*: Faculty of Civil Engineering University of Mostar, *Position*: architectural and structural designer, *Location*: Široki Brijeg, 2007
40. Business and residential building NERETVA, *Design company*: Faculty of Civil Engineering University of Mostar, *Position*: architectural and structural designer, *Location*: Cvijetina Street in Podgorica, Podgorica, 2008.

- *Another about 70 larger or smaller business, production, warehouse and residential structures...*
- *Contribution in providing numerous expert opinions, design, supervision, and technical inspection of structures, mainly in West Herzegovina District and Herzegovina-Neretva District in Bosnia and Herzegovina, as well as in Croatia (Split, Makarska riviera, Imotski...)*

#### **F. Editorial projects**

1. Editor-in-chief of COLLECTED PAPERS of the Faculty of Civil Engineering University of Mostar, No.1, Mostar, 2001
2. Scientific project *Numerical modeling of bending of thin plates* (FCE Mostar, Split, Rijeka), issue editor, Faculty of Civil Engineering University of Mostar, Mostar, 2000, 2001, 2002
3. Manager and editor of scientific lectures titled *Scientific Hours of*

- Faculty of Civil Engineering University of Mostar, Faculty of Civil Engineering University of Mostar, Mostar, 2000, 2001, 2002*
4. Editor-in-chief of COLLECTED PAPERS of Faculty of Civil Engineering University of Mostar, No.2, Mostar, 2002
  5. Associated member of the International Scientific Board of the First Symposium "Computing in Civil Engineering" marking the 40th anniversary of computing at the Faculty of Civil Engineering University of Zagreb, Zagreb, 2003
  6. Editor-in-chief of COLLECTED PAPERS of Faculty of Civil Engineering University of Mostar, No.3, (jubilean COLLECTED PAPERS - MONOGRAPH marking 25 years of Faculty of Civil Engineering), Mostar, 2003
  7. Editor of publication "Scientific Research Project: Morphological Specifics and Legends of the Neretva River" of author Pero Marijanović, Ph.D., published by Faculty of Civil Engineering University of Mostar, Mostar, 2004.
  8. Editor and language editor of the bulletin "Traffic intensity on the network of main and regional roads of Herzegovina-Neretva District/Canton in 2003" of author Ivan Lovrić, M.Sc., published by Faculty of Civil Engineering University of Mostar, Mostar, 2004
  9. Language editor of the book "AutoCAD – 3D Modeling" of author Goran Šunjić, M.Sc., and Pero Marijanović, Ph.D., published by University of Mostar, Mostar, 2004
  10. Member of editorial board in journal Vitko of Matica hrvatska Široki Brijeg, No. 1, 2, 3, 4, 5, 6, 2002 - 2005
  11. Editor and language editor of bulletin "Traffic intensity on the road of main and regional roads of Herzegovina Neretva District/Canton in 2004" of author Ivan Lovrić, M.Sc., published by Faculty of Civil Engineering University of Mostar, Mostar, 2005
  12. Editor and language editor of bulletin "Traffic intensity on the road of main and regional roads of West Herzegovina District in 2004" of author Ivan Lovrić, M.Sc., published by Faculty of Civil Engineering University of Mostar, Mostar, 2005
  13. Editor-in-chief of BULLETIN of International Scientific Expert Conference *One Hundred Years of the New Church in Široki Brijeg*, Franciscan Monastery Š. Brijeg, Široki Brijeg, 2005.
  14. Editor-in-chief of proceedings of First International Scientific Symposium Blidinje 2005., Blidinje Nature Park, Blidinje, 2005
  15. Editor-in-chief of proceedings of the International Scientific Expert Conference One Hundred Years of the New Church in Široki Brijeg 1905 - 2005, Franciscan Monastery Š. Brijeg, Široki Brijeg, 2006
  16. Editor of bulletin "Traffic intensity on the road of main and regional roads of West Herzegovina District in 2005" of author Ivan Lovrić, M.Sc., published by Faculty of Civil Engineering University of Mostar, Government of West Herzegovina District, Široki Brijeg, 2006
  17. Editor of bulletin "Traffic intensity on the road of main and regional roads of Herzegovina Neretva District/Canton in 2005" of author Ivan Lovrić, M.Sc., published by Faculty of Civil Engineering University of Mostar, Ministry of traffic and communications of the Government of Herzegovina-Neretva District, Mostar, 2006
  18. Editor of the book Chaos and Determinism in B&H 2 of author Pero Marijanović, Ph.D., Gral, Š. Brijeg – Zagreb, 2006
  19. Editor of bulletin "Traffic intensity on the road of main and regional roads of West Herzegovina District in 2006" of author Ivan Lovrić, M.Sc., published by Faculty of Civil Engineering University of Mostar, Government of West Herzegovina District, Široki Brijeg, 2007
  20. Editor of bulletin "Traffic intensity on the road of main and regional roads of Herzegovina Neretva District/Canton in 2006" of author Ivan Lovrić, M.Sc., published by Faculty of Civil Engineering University of Mostar, Ministry of traffic and communications of the Government of Herzegovina-Neretva District, Mostar, 2007.
  21. Editor-in-chief in journal Vitko of Matica hrvatska Široki Brijeg, No. 7, 8, 9, 10, 11, 12, 2005 - 2008

22. Editor-in-chief of the "Scientific Herald" ("Znanstveni glasnik"), journal for natural and technical sciences, University of Mostar
23. Editor-in-chief of proceedings of International Scientific Symposium Modeling of Structures, Faculty of Civil Engineering University of Mostar, Mostar, 2008

#### **G. Guest lectures**

1. Reconstruction of the Old Bridge in Mostar, Baudirektion Kanton Zuerich, Hochbauamt, Einladung zu einem Vortrag (in englisch), Zurich, 2003
2. General review of revitalization the Old Bridge location, Baudirektion Kanton Zuerich, Hochbauamt, Zurich, 2005
3. Reconstruction of the Old Bridge in Mostar, Croatian Society for Mechanics, Faculty of C. Eng. University of Josip Juraj Strossmayer in Osijek, Osijek, 2007.

#### **H. Scientific or program board**

1. Associate member of the International Scientific Board of the First Symposium "Computing in Civil Engineering" marking the 40th anniversary of computing at Faculty of Civil Engineering University of Zagreb, Faculty of Civil Engineering University of Zagreb, Zagreb, 2003
2. Member of the organizational and programming board of the International Scientific Professional Conference *One Hundred Years of the New Church in Široki Brijeg*, Franciscan Monastery Š. Brijeg, Široki Brijeg, 2005
3. Member of the scientific, organizational and programming board of the First International Scientific Symposium *Blidinje 2005.*, Blidinje Nature Park, Masna Luka – Blidinje, 2005
4. Member of the International Scientific Board of the First International Scientific Professional Conference – Civil Engineering, Science and Practice, Faculty of Civil Engineering University of Montenegro, Žabljak – Podgorica, 2006
5. Member of organizational board of the round table Earthquake engineering, Faculty of Civil Engineering University of Mostar, Mostar, 2007
6. Member of International Scientific Board of the Second International Scientific Professional Conference – Civil Engineering, Science and Practice, Faculty of Civil Engineering University of Montenegro, Žabljak – Podgorica, 2008
7. Member of the scientific, reviewing, and organizational board of International Scientific Symposium Modeling of Structures, Faculty of Civil Engineering University of Mostar, Mostar, 2008

Ivo Čolak