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| **European**  **curriculum vitae**  **format** | H:\Brnic\Dokumenti\BRNIC & KRK& MALINSKA\BRNIĆ SLIKE\nove slike -a- 2.5.2018\002.JPG |

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| **Personal information** |

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| Surname(s) / First name(s) | **Brnić / Josip** |
| Address(es) | Vukovarska 58, 51000 Rijeka, Croatia |
| Telephone(s) | ++385 51 651 491 |
| Fax(es) | ++385 51 651 490 |
| E-mail(s), Web address(s) | [brnic@riteh.hr](mailto:brnic@riteh.hr) ; <http://www.riteh.uniri.hr/osoba/josip-brnic> |
| Nationality(-ies) | Croatian |
| Date of birth | 31.03.1951. |
| Identification number from Records of Scientific Workers | **148822** |

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| **Work experience** |

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|  | **October 1, 2018. -** |
|  | **University of Rijeka, Faculty of Engineering** |
|  | **Professor Emeritus: doctoral study & scientific research** |
| • Dates (from – to) | **May 2018** – until today |
| Name and address of employer | University of Rijeka, Faculty of Engineering, Vukovarska 58, HR-51000 Rijeka, Croatia |
| Type of business or sector | Science and Education |
| Occupation or position held | * **Professor with tenure**, University of Rijeka, Faculty of Engineering; Scientific area: Technical Sciences; Scientific fields: Mechanical Engineering; Naval Architecture; Fundamental technical sciences; Scientific branches: General mechanical engineering (constructions); construction of vessels and offshore facilities; Engineering mechanics * **Visiting Professor** at Shenyang University of Technology, Shenyang, China, 2018- * **Guest Professor** at Huazhong University of Science and Technology, Wuhan, China, 2017- * **Consulting Professor** at Harbin Institute of Technology, Harbin, China, 2012- * **Honorary Professor** at Henan Polytechnic University, Jiaozuzo, China, 2011- * head of Laboratory for structural strength testing, Faculty of Engineering, University of Rijeka until october 1. 2018. * **Editor-in-Chief: „Engineering Review**“ journal from June1, 2011 until today * **associate member of Croatian Academy of Sciences and Arts**, from 1997. * **full member of Croatian Academy of Engineering**, 2010. * **member of Scientific council of Croatian Academy of Engineering, 2017-** * **associate member of Internationa Academy of Sciences, Moscow**, 2013.   **FROM THE PAST PERIOD**   * **Rector** of the University of Rijeka (1999- 2000) * **member of National Council for Science of the Republic of Croatia (2005 - 2013)** * **president of Scientific Council for Technical Sciences of the Republic of Croatia(2005 -2017)** * **Vicerector** of the University of Rijeka (1998) * **Dean** of the Faculty of Engineering, University of Rijeka (1994-96; 1996 - 98) * **Vicedean** of the Faculty of Engineering, University of Rijeka (1993-1994) * **former head of Department for Engineering Mechanics**, Faculty of Engineering, University of Rijeka (2002 - September 2016) * member of the Council for Science of the University of Rijeka * former President of International relationship committee, Faculty of Engineering, University of Rijeka * vicepresident of Croatian Society of Mechanics (1991-1994) * manager of graduate studies of mechanical engineering (1991-1993) * president of the regional branch of Croatian Society of Mechanics, Rijeka (1991-1994, 1998-2000) |
| Main activities and responsibilities | leadership, scientific researches, projects and publishing of scientific papers, lectures and professional work. |

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| *• Dates (from – to)* | **September 2017.-** April 2018. |
| *Name and address of employer* | *University of Rijeka,* Faculty of Engineering *, Vukovarska 58, HR-51000 Rijeka, Croatia* |
| *Type of business or sector* | *science and education* |
| *Occupation or position held* | * ***Professor with tenure****, University of Rijeka, Faculty of Engineering; Scientific area: Technical Sciences; Scientific fields: Mechanical Engineering; Naval Architecture; Fundamental technical sciences; Scientific branches: General mechanical engineering (constructions); construction of vessels and offshore facilities; Engineering mechanics* * ***Guest Professor*** *at Huazhong University of Science and Technology, Wuhan, China, 2017-* * ***Consulting Professor*** *at Harbin Institute of Technology, Harbin, China, 2012-* * ***Honorary Professor*** *at Henan Polytechnic University, Jiaozuzo, China, 2011-* * *head of Laboratory for structural strength testing, Faculty of Engineering, University of Rijeka* * ***Editor-in-Chief: „Engineering Review****“ journal* * ***associate member of Croatian Academy of Sciences and Arts****, from 1997.* * ***full member of Croatian Academy of Engineering****, 2010.* * ***member of Scientific council of Croatian Academy of Engineering, 2017-*** * ***associate member of Internationa Academy of Sciences, Moscow****, 2013.*   ***FROM THE PAST PERIOD***   * ***Rector*** *of the University of Rijeka (1999- 2000)* * ***member of National Council for Science of the Republic of Croatia (2005 - 2013)*** * ***president of Scientific Council for Technical Sciences of the Republic of Croatia(2005 -2017)*** * ***Vicerector*** *of the University of Rijeka (1998)* * ***Dean*** *of the Faculty of Engineering, University of Rijeka (1994-96; 1996 - 98)* * ***Vicedean*** *of the Faculty of Engineering, University of Rijeka (1993-1994)* * ***former head of Department for Engineering Mechanics****, Faculty of Engineering, University of Rijeka (2002 - September 2016)* * *member of the Council for Science of the University of Rijeka* * *former President of International relationship committee, Faculty of Engineering, University of Rijeka* * *vicepresident of Croatian Society of Mechanics (1991-1994)* * *manager of graduate studies of mechanical engineering (1991-1993)* |
| Main activities and responsibilities | leadership, scientific researches, projects and publishing of scientific papers, lectures and professional work. |

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| *• Dates (from – to)* | **October 2016.-** September 2017. |
| *Name and address of employer* | *University of Rijeka, Faculty of Engineering, Vukovarska 58, HR-51000 Rijeka, Croatia* |
| *Type of business or sector* | *science and education* |
| *Occupation or position held* | * ***Professor with tenure****, Faculty of Engineering, University of Rijeka; Scientific area: Technical Sciences; Scientific fields: Mechanical Engineering; Naval Architecture; Fundamental technical sciences; Scientific branches: General mechanical engineering (constructions); construction of vessels and offshore facilities; Engineering mechanics* * **Guest Professor** at Huazhong University of Science and Technology, Wuhan, Kina; * ***Consulting Professor*** *at Harbin Institute of Technology, Harbin, China, 2012-* * ***Honorary Professor*** *at Henan Polytechnic University, Jiaozuzo, China, 2011-* * *head of Laboratory for structural strength testing, Faculty of Engineering, University of Rijeka* * ***Editor-in-Chief: „Engineering Review****“ journal* * ***associate member of Croatian Academy of Sciences and Arts****, from 1997.* * ***full member of Croatian Academy of Engineering****, 2010.* * ***member of Scientific council of Croatian Academy of Engineering, 2017-*** * ***associate member of Internationa Academy of Sciences, Moscow****, 2013.*   ***FROM THE PAST PERIOD***   * ***Rector*** *of the University of Rijeka (1999- 2000)* * ***Vicerector*** *of the University of Rijeka (1998)* * ***Dean*** *of the Faculty of Engineering, University of Rijeka (1994-96; 1996 - 98)* * ***Vicedean*** *of the Faculty of Engineering, University of Rijeka (1993-1994)* * ***member of National Council for Science of the Republic of Croatia (2005 - 2013)*** * ***president of Scientific Council for Technical Sciences of the Republic of Croatia(2005 -2017)*** * ***former head of Department for Engineering Mechanics****, Faculty of Engineering, University of Rijeka (2002 - September 2016)* * *member of the Council for Science of the University of Rijeka* * *former President of International relationship committee, Faculty of Engineering, University of Rijeka* * *vicepresident of Croatian Society of Mechanics (1991-1994)* * *manager of graduate studies of mechanical engineering (1991-1993)* |
| Main activities and responsibilities | leadership, scientific researches, projects and publishing of scientific papers, lectures and professional work. |

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| • Dates (from – to) | **2002**. – September 2016. |
| Name and address of employer | University of Rijeka, Faculty of Engineering, Vukovarska 58, HR-51000 Rijeka, Croatia |
| Type of business or sector | science and education |
| Occupation or position held | * **Professor with tenure**, Faculty of Engineering, University of Rijeka; Scientific area: Technical Sciences; Scientific fields: Mechanical Engineering; Naval Architecture; Fundamental technical sciences; Scientific branches: General mechanical engineering (constructions); construction of vessels and offshore facilities; Engineering mechanics * **head of Department of Engineering Mechanics** * **head of Laboratory for structural strength testing** * **full member of Croatian Academy of Engineering**, 2010. * **associate member of Internationa Academy of Sciences, Moscow**, 2013. * **member of National Council for Science of the Republic of Croatia (2005 - 2013)** * **president of Scientific Council for Technical Sciences of the Republic of Croatia(2005 -2017)**   **FROM THE PAST PERIOD**   * **Rector** of the University of Rijeka (1999- 2000) * **Vicerector** of the University of Rijeka (1998) * **Dean** of the Faculty of Engineering, University of Rijeka (1994-96; 1996 - 98) * **Vicedean** of the Faculty of Engineering, University of Rijeka (1993-1994) * **associate member of Croatian Academy of Sciences and Arts**, from 1997. * member of the Council for Science of the University of Rijeka * former President of International relationship committee, Faculty of Engineering, University of Rijeka * vicepresident of Croatian Society of Mechanics (1991-1994) * manager of graduate studies of mechanical engineering (1991-1993) |
| Main activities and responsibilities | scientific researches, projects and publishing of scientific papers, lectures and professional work. |

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| • Dates (from – to) | **2012.** – September 2016. |
| Name and address of employer | University of Rijeka, Faculty of Engineering, Vukovarska 58, HR-51000 Rijeka, Croatia |
| Type of business or sector | science and education |
| Occupation or position held | **-** head of Department of Engineering Mechanics  - head of Laboratory for structural strength testing  - **professor with tenure**  - **Consulting Professor at Harbin Institute of Technology, Harbin, China**  - **Honorary Professor** at Henan Polytechnic University, Jiaozuo, Kina. |
| Main activities and responsibilities | leadership, scientific researches, projects and publishing of scientific papers, lectures and professional work. |

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| • Dates (from – to) | **2011.** - until today |
| Name and address of employer | University of Rijeka, Faculty of Engineering ,Vukovarska 58, HR-51000 Rijeka, Croatia |
| Type of business or sector | science and education |
| Occupation or position held | **-** head of Department of Engineering Mechanics  - head of Laboratory for structural strength testing  - **professor with tenure**  - **Honorary** **Professor at Henan Polytechnic University**  **- Editor-in-Chief: „Engineering Review“ journal** |
| Main activities and responsibilities | scientific researches, projects and publishing of scientific papers, lectures and professional work. |

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| • Dates (from – to) | **2010.** - until today |
| Name and address of employer | University of Rijeka, Faculty of Engineering , Vukovarska 58, HR-51000 Rijeka, Croatia |
| Type of business or sector | science and education |
| Occupation or position held | **-** head of Department of Engineering Mechanics  - head of Laboratory for structural strength testing  - **professor with tenure**  **- full member of Croatian Academy of Engineering**  **- member of the Council for science of the University of Rijeka** |
| Main activities and responsibilities | scientific researches, projects and publishing of scientific papers, lectures and professional work. |

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| • Dates (from – to) | **2005. - 2008.** |
| Name and address of employer | University of Rijeka, Faculty of Engineering , Vukovarska 58, HR-51000 Rijeka, Croatia |
| Type of business or sector | science and education |
| Occupation or position held | **- member of National Council for Science (2005 – 09; 2009- 13)**  **- president of Scientific Council for Technical Sciences of the Republic of Croatia (2005-2009; 2009-13; 2013-17)**  **- associate member of Croatian Academy of Sciences and Arts, since 1997.**  - head of Department of Engineering Mechanics  - head of Laboratory for structural strength testing |
| Main activities and responsibilities | scientific researches, projects and publishing of scientific papers, lectures and professional work. |

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| • Dates (from – to) | **1996. -** 2000 |
| Name and address of employer | University of Rijeka, Faculty of Engineering , Vukovarska 58, HR-51000 Rijeka, Croatia |
| Type of business or sector | science and education |
| Occupation or position held | **- professor (**Technical sciences**:** Mechanical Engineering, Fundamental Technical Sciences, Naval Architecture)  - head of Laboratory for structural strength testing |
| Main activities and responsibilities | scientific researches, projects and publishing of scientific papers, lectures and professional work. |

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| • Dates (from – to) | **1999.-**2000 |
| Name and address of employer | University of Rijeka; (Faculty of Engineering, University of Rijeka, Vukovarska 58, HR-51000) Rijeka, Croatia |
| Type of business or sector | science and education |
| Occupation or position held | **- rector of the University of Rijeka**  **-** member of the Senat of the University of Rijeka  - head of Laboratory for structural strength testing |
| Main activities and responsibilities | managing |

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| • Dates (from – to) | **2000.** |
| Name and address of employer | University of Rijeka, Faculty of Engineering , Vukovarska 58, HR-51000 Rijeka, Croatia |
| Type of business or sector | science and education |
| Occupation or position held | **- professor with tenure (**Technical sciences**:** Mechanical Engineering, Fundamental Technical Sciences)  - head of Laboratory for structural strength testing |
| Main activities and responsibilities | scientific researches, projects and publishing of scientific papers, lectures and professional work. |

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| • Dates (from – to) | **1998**. – 1999. |
| Name and address of employer | University of Rijeka, Faculty of Engineering, Vukovarska 58, HR-51000 Rijeka, Croatia |
| Type of business or sector | science and education |
| Occupation or position held | **- vicerector of the University of Rijeka for science and international cooperation**  **-** member of the Senat of the University of Rijeka  - head of Laboratory for structural strength testing |
| Main activities and responsibilities | scientific researches, projects and publishing of scientific papers, lectures and professional work. |

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| • Dates (from – to) | **1994.-** 1998 |
| Name and address of employer | University of Rijeka, Faculty of Engineering, Vukovarska 58, HR-51000 Rijeka, Croatia |
| Type of business or sector | science and education |
| Occupation or position held | **- dean of the Faculty of Engineering (1994-96; 1996-98)**  - member of the Senat of University  - head of Laboratory for structural strength testing |
| Main activities and responsibilities | managing |

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| • Dates (from – to) | **1993.-** 1994 |
| Name and address of employer | University of Rijeka, Faculty of Engineering , Vukovarska 58, HR-51000 Rijeka, Croatia |
| Type of business or sector | science and education |
| Occupation or position held | **- vicedean of the Faculty of Engineering**  - head of Laboratory for structural strength testing |
| Main activities and responsibilities | scientific researches, projects and publishing of scientific papers, lectures and professional work. |

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| • Dates (from – to) | **1993.-** 1996 |
| Name and address of employer | University of Rijeka, Faculty of Engineering , Vukovarska 58, HR-51000 Rijeka, Croatia |
| Type of business or sector | science and education |
| Occupation or position held | **- associate professor**  - head of Laboratory for structural strength testing |
| Main activities and responsibilities | scientific researches, projects and publishing of scientific papers, lectures and professional work. |

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| • Dates (from – to) | **1989.-** 1993 |
| Name and address of employer | University of Rijeka, Faculty of Engineering , Vukovarska 58, HR-51000 Rijeka, Croatia (**1990 year**) |
| Type of business or sector | science and education |
| Occupation or position held | **- assistant professor**  - head of Laboratory for structural strength testing |
| Main activities and responsibilities | scientific researches, projects and publishing of scientific papers, lectures and professional work. |

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| • Dates (from – to) | 1978.**-** 1988. |
| Name and address of employer | RO Brodoprojekt Rijeka (design organization); Faculty of Engineering, University of Rijeka (part time), Vukovarska 58, HR-51000 Rijeka, Croatia |
| Type of business or sector | design and analysis of submarine structure and other structures, exercises |
| Occupation or position held | - designer, assistant |
| Main activities and responsibilities | structural analysis and design, exercises |

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| • Dates (from – to) | 1976.**-** 1978. |
| Name and address of employer | RO Brodoprojekt Rijeka (design organization |
| Type of business or sector | design and analysis of submarine structure and other structures |
| Occupation or position held | - designer |
| Main activities and responsibilities | structural analysis and design |

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| **Education** |

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| Date | **1988.** (1983. – 1988.) |
| Place of education | Rijeka |
| Name and type of organisation providing education | University of Rijeka, Faculty of Engineering Vukovarska 58, HR-51000 Rijeka, Croatia |
| Title or qualification awarded | **D. Sc.** (Doctor of technical sciences); structural engineering |

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| Date | **1983.** |
| Place of education | Ljubljana, Slovenia |
| Name and type of organisation providing education | Faculty of Mechanical Engineering, University of Ljubljana, Slovenia |
| Title or qualification awarded | **M. Sc**. (Master of technical sciences); structural engineering |

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| Date | **January 1976.**  (October 1970. – January 1976) |
| Place of education | Rijeka |
| Name and type of organisation providing education | Faculty of Engineering, University of Rijeka |
| Title or qualification awarded | **Univ. Dipl. Ing**. ; mechanical engineering |

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| **Training** |
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| Year | 2018. |
| Place of training | Beijing, Shanghai, Shenyang, Jiaozuo / China |
| Name and type of organisation providing training | Beijing Institute of Technology, Shanghai University, Shenyang University of Technology, Henan Polytechnic University |
| Principal subjects/Occupational skills covered | Creep, Fracture mechanics, material microstructure |

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| Year | 2017. |
| Place of training | Wuhan / China |
| Name and type of organisation providing training | Huazhong University of Science and Technology |
| Principal subjects/Occupational skills covered | Finite Element Method, Creep, Fatigue and Fracture |

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| Year | 2012. |
| Place of training | Harbin, China |
| Name and type of organisation providing training | Harbin Institute of Technology |
| Principal subjects/Occupational skills covered | Finite Element Method, Creep, Fatigue |

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| Year | 2011. |
| Place of training | Jiaozuo, China |
| Name and type of organisation providing training | Henan Polytechic University |
| Principal subjects/Occupational skills covered | Finite Element Structural Analysis |

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| Year | 2008. |
| Place of training | Ulm, Germany |
| Name and type of organisation providing training | Zwick/Roell |
| Principal subjects/Occupational skills covered | Experimental Mechanics |

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| Year | 2004. |
| Place of training | Ulm, Germany |
| Name and type of organisation providing training | Zwick/Roell |
| Principal subjects/Occupational skills covered | Experimental Mechanics |

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| Year | 2002. |
| Place of training | Vienna, Austria |
| Name and type of organisation providing training | Vienna University of Technology |
| Principal subjects/Occupational skills covered | Structural Optimization |

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| Year | 2002. |
| Place of training | Vienna, Austria |
| Name and type of organisation providing training | Technische Universität Wien |
| Principal subjects/Occupational skills covered | Structural optimization |

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| Year | 1996. |
| Place of training | Brno, Chech Republic |
| Name and type of organisation providing training | Faculty of Mechanical Engineering |
| Principal subjects/Occupational skills covered | Structural Analysis |

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| Year | 1995. |
| Place of training | Brno, Chech Republic |
| Name and type of organisation providing training | Brno, Chech Republic |
| Principal subjects/Occupational skills covered | Structural Analysis |

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| Year | 1993. |
| Place of training | Ljubljana, Slovenia |
| Name and type of organisation providing training | Kmetijski Inštitut |
| Principal subjects/Occupational skills covered | Experimental Mechanics (Hottinger Baldwin Mestechnik) |

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| Year | 1992. |
| Place of training | Darmstadt, Germany |
| Name and type of organisation providing training | Fraunhofer Institut, Schenk, Hottinger Baldwin Messtechnik |
| Principal subjects/Occupational skills covered | Structural Integrity |

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| Year | 1991. |
| Place of training | Udine, Italy |
| Name and type of organisation providing training | CISM |
| Principal subjects/Occupational skills covered | Nonlinear Analysis of Shells by Finite Element Method |

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| Year | 1990. |
| Place of training | Udine, Italy |
| Name and type of organisation providing training | CISM |
| Principal subjects/Occupational skills covered | Optimization of Structures Regarding the Shape and Layout |

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| Year | 1990. |
| Place of training | Zagreb, Croatia |
| Name and type of organisation providing training | Brodarski Institut |
| Principal subjects/Occupational skills covered | Dynamic Response of Structure |

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| **Personal skills and competencies** |

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| Mother tongue(s) | Croatian |

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| Other language(s) |

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| Language | English German Slovenian |
| Speaking | Proficient user (C1) Independent user (B2) Independent user (B2) |
| Writing | Proficient user (C1) Independent user (B2) Independent user (B2) |
| Understanding (listening and reading) | Proficient user (C1) Independent user (B2) Independent user (B2) |

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| **Social skills and competencies** | Teamwork, good communication and adaptivity. |

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| **Organisational skills and competencies** | * he organized and led the University of Rijeka (as a rector, vice-rector) and Faculty of Engineering (as a dean, vice-dean). * as the member of National Council for Science of the Republic of Croatia he was deeply involved in research policy of Croatia. * he was a leader of the scientific council for technical sciences of Croatia * he manages and has managed scientifc projects. * he founded, organized and teaches several courses on graduate and postgraduate study. * he was a Head of Department of Engineering Mechanics (until October 2016). * he is Editor-in-Chief of the Engineering Review journal * he is head of the Laboratory for structural strength testing * he is inbolved in number of scientific committets * he is the leader of the panels of Croatian science foundation for research projects evaluation * he is involved in the work of the department for technical sciences of the Croatian Academy of Sciences and Arts as well as of Croatian Academy of Engineering * he is a member of CAofE scientific council |

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| **Technical skills and competencies** | * structural analysis, especially using finite element method, in different field of linear and nonlinear responses. * application of existing numerical procedures and development of new ones. * experimental strain analysis on all types of structures with Hottinger Baldwin Messtechnik, DMCplus, 20 channells. * experimental analysis of: * mechanical material properties on computer controlled testing machine Zwick Z400E, 400kN; * bending strength analysis on 3-pt bending system, * analysis of material creep behavior using testing machine 40 t and using furnace of 900°C. * fatigue of materials using servopulser machine (fatigue machine) |

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| **Driving licence(s)** | B category |

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| **ADDITIONAL**  **INFORMATION** | **Professor Josip Brnić, D. Sc., Professor Emeritus**  **Summary view of publications**   * 11 books * 8 chapters in books * 82 papers published in journals indexed in Current Contents / Web of Science * 65 papers published in journals indexed in other distinguished bases * 103 papers published in the proceedings of international conferences * 9 papers published in domestic journals * 10 papers pblished in the proceedings of domestic conferences * 61 engineering studies / professional works   **Awards**   * **The State Award** **for Science**- **Lifetime Achievement Award** (2019), Republic of Croatia, Ministry of Science and Education, for 2018 year in the field of technical sciences. * Acknowledgments for achievements in 2017. year that contributed to the promotion, progress and reputation of the University of Rijeka (Rector, Prof. Snježana Prijić-Samaržija, Ph. D.). * Memorial plaque as recognition and gratitude for the contribution in the development and operation of the University of Rijeka, from its founding to the present, 2013 (Rector, prof. Pero Lucin, Ph. D.) * Lifetime achivement award of the University of Rijeka Foundation (2012.) for academic year 2010/2011. * The award of the Croatian Academy of Sciences and Arts for the highest achievements in the Republic of Croatia for the year 2010 in the field of Technical Sciences. * 2nd Prize – Zwick Science Award 2009, Ulm, Germany. * The award of the University of Rijeka Foundation for the scientific work in the field of technical sciences for 2004 year. * Jubilee Medal for the year 1999 - award for outstanding contribution to the work and development of the Croatian Association of Production Engineering, and for the benefit of scientific and economic development of the Republic of Croatian. * Appreciation for the contribution to the modernization of the Faculty of Mechanical Engineering in Slavonski Brod, June in 1999. * Special Award of ÖIAV (Österreichischer Ingenieur und Architekten Verein) and DAAAM International for Significant Contribution in the Field of Engineering, Excellence in Science, and International Academic and Scientific Cooperation in Middle European Region Within the Framework of the Danube Adria Association for Automation & Manufacturing and Austrian Society of Engineers and Architects, Vienna & Cluj-Napoca, October 22, 1998. * Annual state award for science for scientific achievements in the field of technical sciences for 1997. * Certificate, Awarded to Prof. Josip Brnić, D.Sc., DAAAM International, Vienna, October 17-19, 1996. * medal of Croatian President dr. Franjo Tuđman: Red Danice Hrvatske with the image of Ruder Boskovic, for special contribution to the science, in 1995. * The award of the City of Rijeka in 1994, for creative work and creativity for the period 1992. - 1,993. year.   **Research (and other) projects:**   * 2019-2024 Collaborator on the scientific project of HRZZ (CSF), Croatian Science Foundation: “Estimation of the carrying capacity of engineering structures”, Leader, prof. D. Lanc. * 2018-2021 Leader of the scientific project (UNIRI support), ”Investigation, analysis and modeling the behavior of structural elements stressed at room temperature and high temperatures”). * 2018-2021 Colaborator on the scientific project (UNIRI support), Leader: Prof. Vukelić Goran (“Analysis of the failures of materils in sea environmental conditions”). * 2014-2018  Head – University project (UNIRI) „Numerical analysis of the constructional response and investigations of material properties“. * 2014-2018 Leader of the research project „Assessment of structural behaviour in limit state operating conditions “HRZZ (Croatia Science Foundation - HRVATSKA ZAKLADA ZA ZNANOST). Collaborators on the project: professors: G. Turkalj, M. Čanađija, D. Lanc,  assistant professors: M. Brčić, G. Vukelić, I. Pešić, S. Kršćanski, assistants: N. Munjas, E. Merdanović, D. Banić (from 1.3.2015), S. Kvaternik (from 2016). * 2016-2018 Leader of the research project (UNIRI support) “Numerical analysis of structural responses and experimental investigations of material properties” (Numerička analiza odziva konstrukcija I eksperimentalna istraživanja svojstava materijala). * 2014-2015 Head (croatian side) of the bilateral research project (Croatia – China): „Material properties, creep behavior, fracture toughness and microstructure of metal alloys – experimental analysis and numerical simulations“ . Project collaborators (croatian side) were professors: G. Turkalj, M. Canadija, D. Lanc, M. Brcic. Head (chinese side) was: Prof. Jitai Niu (School of Material Science and Engineering, Jiaozuo, Henan Polytechnic University, China). * 2014-2015 Head (croatian side) of the bilateral research project (Croatia – Austria): „Influence of Heat Affected Zone of electron beam welded steel casting GX4CrNi13-4 on the fatigue strength”. Project collaborators (croatian side) were professors: G. Turkalj, M. Canadija, D. Lanc, M. Brcic, assistents: S. Krscanski, I. Pesic, E. Merdanovic, N. Munjas. Head (austrian side) was Dr. Rudolf Vallant (Institute for Materials Science and Welding (IWS), Graz University of Technology). * 2012- 2013 Head (croatian side) of the bilateral research project (Croatia – Slovenia): „Analysis of conditions for control of metal forming processes”, Croatia-Slovenia. Project collaborators (croatian side) were: M. Canadija, M. Brcic, G. Vukelic, M. Krsulja. Head (slovenian side) was: Prof. Karl Kuzman, Ph. D. / Prof. Tomaž Pepelnjak, Ph.D. * 2009-2011 Head (croatian side) of the bilateral research project (Croatia – China): „Metal alloys behavior at different environmental conditions-testing and numerical simulations“. Project collaborators (croatian side) were: M. Čanađija, G. Turkalj, D. Lanc. Head (chinese side) was: Prof. Jitai Niu, Ph.D. (School of Material Science and Engineering, Jiaozuo, Henan Polytechnic University, Cina). Suradnici: Prof. Sijie CHEN, Ph.D, Prof.Qiang LI, Ph.D, and Associate Prof. Dongxia XU, Ph.D. * 2007-2013 Head of research program: „Analysis of machines and structures responses in terms of efficient design“, Ministry of science and technology of RH. * 2007- 2013 Head of research project: "Numerical analysis of construction response for certain exploitation fields“,Nr. 069-0691736-1737, Ministry of science and technology of RH. * 2007- 2013 Member of the research team of research project:“Finite element models for stability analysis of beam type structures,Nr. 069-0691736-1731, head: Prof. G. Turkalj, D. Sc. * 2002-2007 Head of the research project: "Numerical analysis of nonlinear problems in design and manufacturing", Nr. 0069-006, Ministry of science and technology of RH. * 1996-2001 Head of the research project: "Numerical optimization in design and manufacturing“, Nr. 069-001, Ministry of science and technology of RH. * 1991-1996 Member of the researh team of research project: "Vibration of turbine blades with high static stresses“ , Nr. 2-06-049, (head prof. M. Butković, D. Sc.), Ministry of science and technology of RH. * 1991-1996 Head of the research project: "Structural analysis of the objects for optimal eficiency“, Nr. 2-08-011, Ministry of science and technology of RH. * Some other projects made in design organization „Brodoproject“.   **Reviews of scientific / research papers published in scientific journals indexed in Current Contents**   * *Journal of Testing and Evaluation* * *Finite Element in Analysis and Design (FINEL)* * *Materials and Design* * *Journal of Engineering Materials and Technology* * *Metallurgical and Materials Transactions A (MMTA)* * *Bulletin of Materials Science* * *Journal of Constructional Steel Research* * *High Temperature Materials and Processes* * *Materials Science and Engineering B* * *Journal of Structural Engineering* * *Materials Science and Engineering A* * *Engineering Structures* * *Nuclear Engineering and Design* * *Materials and Structures* * *Journal of Materials Engineering and Performance* * *Steel and Composite Structures* * *Transactions of FAMENA (SCIEx)* * *Strojniški vestnik- Journal of Mechanical Engineering (SCIEx)* * *TEHNIČKI VJESNIK - TECHNICAL GAZETTE (SCIEx)* * *Steel Research International* * *Mechanics of Time- Dependent Materials* * *Theoretical and Applied Fracture Mechanics* * *Advances in Computational Design* * *Thin- Walled Structures* * *Materials* * *Metals* * *International Journal of Fatigue* * *Materials Transactions* * *International Journal of Rock Mecanics and Mining Sciences* * *Advances in Computational Design (ESCI)* * *Journal of Composite Science (Inspec)* * *Machines (ESCI)* * *Vacuum* * *Engineering Fracture Mechanics* * *Composite Structures* * *Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering.* * *International Journal of Pressure Vessels and Piping.*   **The author has published the articles in the following journals indexed in Current Contents**   * *Meccanica* * *Journal of Engineering Mechanics* * *Materials & Design* * *Mechanics Research Communications* * *Mechanics of Time-Dependent Materials* * *Composite Structures* * *High Temperature Materials and Processes* * *Journal of Engineering Materials and Technology* * *Journal of Testing and Evaluation* * *Bulletin of Materials Science* * *Int. 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**Signature**



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* **Professor Josip BRNIĆ – LIST OF PUBLICATIONS**

**1. M. Sc. thesis**

Brnić, J.: Analysis of vibrations of plane constructions by computer (in Croatian), Faculty of Mechanical Engineering (Fakulteta za strojništvo), Ljubljana, 1983.

**2. D. Sc. thesis**

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**3. Books**

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