

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Surname(s) / First name(s)	Prof. Marko Čanadija, Ph.D.
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Nationality(-ies)	Croatian
Date of birth	27.07.1970.

WORK EXPERIENCE

• Dates (from – to)	June 2003-
Name and address of employer	Faculty of Engineering, University of Rijeka
Occupation or position held	Assist. Prof. / Assoc. Prof. / Full Professor / Tenured Professor
• Dates (from – to)	November 1994 - June 2003
Name and address of employer	Faculty of Engineering, University of Rijeka
Occupation or position held	Teaching Assistant / Ph.D. student / Postdoc
• Dates (from – to)	June 1994-November 1994
Name and address of employer	ASN d.o.o.
Type of business or sector	Software developer
Main activities and responsibilities	Development of software for civil engineering applications

EDUCATION

Date	1998-2002
Place of education	Rijeka
Name and type of organisation providing education	Faculty of Engineering, University of Rijeka
Title or qualification awarded	Ph.D.
Date	1994-1997
Place of education	Rijeka
Name and type of organisation providing education	Faculty of Engineering, University of Rijeka
Title or qualification awarded	Mr.sc. ("Magistar znanosti" in Croatian)
Date	1989-1994
Place of education	Rijeka
Name and type of organisation providing education	Faculty of Engineering, University of Rijeka
Title or qualification awarded	Dipl. ing., mechanical engineering

SELECTED POSITIONS AND MEMBERSHIPS

- Council for Science and Arts, University of Rijeka (2026-, 2018)
- Associate member of Croatian Academy of Engineering (2021-)
- University of Rijeka Council (2017-2021)
- Vice-Dean for Research, Faculty of Engineering, Uni. Rijeka (2016-2019)
- Vice-president of the National Parent Committee ("Matični odbor" in Croatian) for Technical Sciences – fields of mechanical engineering, naval architecture, traffic engineering and transportation, rocket and space techniques, 2013-2016
- Head of Chair for Solid Mechanics (2005-), Faculty of Engineering, Uni.Rijeka,

ASSOCIATIONS**Croatian Society of Mechanics:**

- President of the Croatian Society of Mechanics (2023-2025)
- Member of the Executive Board of the Croatian Society of Mechanics (2018-, 2007-2015)
- Member of the Supervisory Board of the Croatian Society of Mechanics (2016-2022)
- Secretary of the Croatian Society of Mechanics (2013-2015)
- President of Rijeka branch of the Croatian Society of Mechanics (2007-2012)

Additional associations:

- Member of Gesellschaft für Angewandte Mathematik und Mechanik (GAMM), since 2025
- Member of the Assembly of the Croatian Engineering Association (HIS), since 2024
- Member of The Board of Directors (2017-) and member of The Academic Assembly (2016-), International Centre for Mechanical Sciences (CISM), Udine, Italy
- Member of the Central European Association for Computational Mechanics (CEACM), since 2013

RESEARCH PROJECTS**Principal investigator:**

- 1 research project funded by the Croatian Science Foundation
- 3 research projects funded by the University of Rijeka
- 1 Croatian-Chinese research project funded by the Ministry of Science and Education of the Republic of Croatia

EDITORIAL ACTIVITIES**Editor (active):**

- Periodica Polytechnica Civil Engineering (Budapest Uni. of Technology and Econ., JCR Q3) – Associate Editor, since 2026
- PLOS One (Public Library of Science) – Academic Editor, since 2022

Member of the Editorial board (active):

- Brodogradnja (Faculty of Mechanical Engineering and Naval Arch., Uni. Zagreb, JCR Q1), since 2025
- Archive of Applied Mechanics (Springer, JCR Q2), since 2019
- Coupled Systems Mechanics (Techno-Press, JCR Q3), since 2017

CONFERENCES**Principal organizer/co-organizer of conferences/symposiums/workshops:**

- 11th International Congress of Croatian Society of Mechanics, Vodice, 2026
- Prvi simpozij o primjeni umjetne inteligencije u računalnoj mehanici (First Symposium on the Application of the Artificial Intelligence in Computational Mechanics), Zagreb, 2024
- Suvremene metode u projektiranju i analizi inženjerskih konstrukcija (Contemporary Methods in the Design and Analysis of Engineering Structures), Zagreb, 2023
- My First Conference 2017, 2018, 2019, Rijeka, Initiator
- 8th International Congress of Croatian Society of Mechanics, Opatija, 2015
- Prvi susreti Hrvatskog društva za mehaniku (First meetings of the Croatian Society of Mechanics), Rijeka 2007

AWARDS**Science:**

International:

- The CEACM Computational Mechanics Award for 2024, Central European Association for Computational Mechanics

National:

- Annual National Science Award in Technical Sciences, 2024
- Award of the Croatian Academy of Sciences and Arts for the highest scientific and artistic achievements in the Republic of Croatia in the field of technical sciences for 2023
- Annual National Award for Young Scientists in Technical Sciences, 2002

Regional:

- The Foundation of the University of Rijeka Award for the Academic Year 2009/2010, in the field of engineering and natural sciences

Education:

- Adjunct professor at Henan Polytechnic University, Jiaozuo, Henan, China (honorary), 2016
- Lecturer at the course "Introduction to the Finite Element Method", selected by students as the best course at the bachelor studies of mechanical engineering at the Faculty of Engineering in Rijeka, award for the academic year 2007-08.
- Dean's Award to Students: academic years 1989/90 and 1993/94

RESEARCH INTEREST

- nanomechanics; machine learning; thermomechanics; plasticity; continuum mechanics

ADDITIONAL INFORMATION

Publications:

Croris: <https://www.croris.hr/osobe/profil/6760>

Google Scholar: <https://scholar.google.com/citations?user=FiDYdwkAAAAJ>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=6507717714>

WoS: <https://www.webofscience.com/wos/author/record/831427>

Mentorship (PhD students):

- Mentored five PhD candidates to completion

Bibliography

Prof. MARKO ČANAĐIJA, Ph. D.

April 2026

1. Doctoral Thesis

Čanađija, M.: Numerical analysis of nonlinear isothermal and nonisothermal processes of plastic deformation of metals, Faculty of Engineering, University of Rijeka, Sep. 2002.

2. Master's Thesis

Čanađija, M.: Numerical analysis of the cold rolling process of thin plate workpieces, Faculty of Engineering, University of Rijeka, Sep. 1997.

3. Books

3.1. Monographs

1. Čanađija, M.: [Thermomechanics of Solids and Structures: Physical Mechanisms, Continuum Mechanics, and Applications](#), Elsevier, ISBN 9780128204481, 2023.
2. Brnić, J., Čanađija, M.: Analiza deformabilnih tijela metodom konačnih elemenata (Finite Element Analysis of Solids), Fintrade & Tours, ISBN 978-953-6326-61-7, Rijeka 2009.
3. Čanađija, M., Brnić, J.: Finite strain thermoplasticity: constitutive theory and numerical implementation, PAMM-Centre, ISBN 963 420 866 5, Budapest, Hungary, 2006.

3.2. Book Editor

1. Čanađija, M., Škec, Leo: [Proceedings of the 11th International Congress of Croatian Society of Mechanics](#), ISSN 2623-6133, Vodice, 2025.
2. Čanađija, M., Škec, Leo: [Book of Abstract of the 11th International Congress of Croatian Society of Mechanics](#), ISSN 2623-7716, Vodice, 2025.
3. Čanađija, M., Travaš, V., Vukelić, G., Pranjčić, I.: Book of Abstracts - My First Conference 2019, ISBN 978-953-6953-50-9, Rijeka, 2019.
4. Jardas, M., Glujić, D., Vukelić, G., Čanađija, M., Travaš, V.: Book of Abstracts - My First Conference 2018, ISBN 9 78-953-165-128-8, Rijeka, 2018.
5. Kvaternik, S., Torbarina, F., Vitali, N., Čanađija, M., Travaš, V., Vukelić, G.: Book of Extended Abstracts - My First Conference 2017, ISBN 978-953-6326-92-1, Rijeka, 2017.
6. Kožar, I., Bičanić, N., Jelenić, G., Čanađija, M.: [Proceedings of the 8th International Congress of Croatian Society of Mechanics](#), ISBN 978-953-7539-21-4, Opatija, 2015.
7. Kožar, I., Bičanić, N., Jelenić, G., Čanađija, M.: [Book of Abstracts – 8th International Congress of Croatian Society of Mechanics](#), ISBN 978-953-7539-20-7, Opatija, 2015.
8. Čanađija, M.: [Zbornik radova Prvoga susreta Hrvatskog društva za mehaniku \(Proceedings of the First Meeting of Croatian Society of Mechanics\)](#), Croatian Society of Mechanics, ISBN 978-953-6236-52-3, Rijeka, 2007.

4. Chapter in Books

1. Čanađija, M.: Thermo-mechanics of Beam-Like Nanostructures, in: Marotti de Sciarra, F., Russo, P. (Eds.), Experimental Characterization, Predictive Mechanical and Thermal Modeling of Nanostructures and their Polymer Composites, Elsevier, ISBN 978-0323480611, pp. 179-232, 2018.
2. Čanađija, M., Munjas, N.: A Multiscale Framework for Thermoplasticity, in: Sorić, J., Wriggers, P., Allix, O. (Eds.), Multiscale Modeling of Heterogeneous Structures, Springer-Verlag, ISBN 978-3-319-65462-1, pp. 329-345, 2018.
3. Čanađija, M.: Temperature-Dependent Thermoplasticity at Finite Strains, in: Hetnarski, R. B. (Ed.), Encyclopedia of Thermal Stresses, Springer-Verlag, ISBN: 978-94-007-2738-0, pp. 4813-4826, 2014.
4. Čanađija, M.: Creep Analysis, in: Hetnarski, R. B. (Ed.), Encyclopedia of Thermal Stresses, Springer-Verlag, ISBN: 978-94-007-2738-0, pp.805-814, 2014.
5. Čanađija, M., Brnić, J.: A contribution to optimization in thermomechanics. Shape and layout problems, in: Katalnić, B. (ed.),

DAAAM International Scientific Book 2003, DAAAM International Vienna, ISBN 3-901509-30-5, Wien, 2003.

6. Brnić, J., Čanađija, M., Turkalj, G.: Finite elastoplasticity in plane strain cold rolling problem, Elso Kuljanić (Ed.), AMST '02 – Advanced Manufacturing Systems and Technology, CISM Courses and Lectures No. 437, Springer Verlag, ISBN 3-211-83869-6, Wien, Udine, Italy, pp. 425-437., 2002.

5. Invited Lectures

1. Čanađija, M., Ivić, S.: „Optimized Nanotruss Structures: Leveraging Carbon Nanotubes for Advanced Metamaterials using Machine Learning, 7th International Conference on Multi-scale Computational Methods for Solids and Fluids (ECCOMAS MSF 2025), June 25-27, 2025, Split, Croatia
2. Čanađija, M.: „Konveksne neuronske mreže u modeliranju mehaničkog ponašanja nanorešetkastih struktura“, Faculty of Science, University of Zagreb, Department of Mathematics, Zagreb, Croatia, March 6, 2025.
3. Čanađija, M.: „Introduction to Science“, Università degli Studi di Napoli Federico II, Dipartimento di Strutture per l'Ingegneria e l'Architettura, Naples, Italy, October 23-25, 2024.
4. Čanađija, M.: „Konveksne neuronske mreže i mehanika ugljikovih nanocijevi ili kako do novih metamaterijala“, Prvi simpozij o primjeni umjetne inteligencije u računalnoj mehanici, Croatian Society of Mechanics and Kroatischer Humboldtianer-Klub, October 18, 2024.
5. Čanađija, M.: „Modeliranje mehaničkog ponašanja ugljikovih nanocijevi pomoću integrabilnih konveksnih neuronskih mreža i primjene na nanorešetkaste strukture“, Novi Sad, Serbia, July 19, 2024.
6. Čanađija, M.: „nonNano - završni rezultati“, May 28, 2024.
7. Čanađija, M.: „nonNano - Nelokalni mehanički modeli nanogreda. Prijava i provedba – iskustva“, HRZZ Info dan (nonNano – Nonlocal mechanical models of nanobeams. Application and implementation – experiences, Croatian Science Foundation - Info day University of Rijeka, July 6, 2022.
8. Čanađija, M.: „Design errors and finite element analysis – how to find them?“, Civil and Environmental Forensic Engineering – Winter School, Montegrotto Terme (PD), Italy, February 19-23, 2018.
9. Čanađija, M.: „Singlescale and Multiscale Thermoplasticity“, Faculty of Civil Engineering, University of Rijeka, Rijeka, Croatia, December 1, 2017.
10. Čanađija, M.: „Thermomechanics of Solids: Experimental Observations and Numerical Calculations“, Henan Polytechnics University, Jiaozuo, Henan, China, November 11, 2016.
11. Čanađija, M.: „A Multiscale Approach to Thermoplasticity“, International Workshop on Multiscale Modelling of Heterogenous Structures, MUMO 2016, Allix, O., Sorić, J., Wriggers, P. (Eds.), Dubrovnik, September 21-23, 2016.
12. Čanađija, M., Brčić, M.: „Estimation of Mechanical Properties of Carbon Nanotube Nanocomposites by Multiscale Methods“, Computational Multiscale Mechanics School, Bičanić, N., (Ed.), Rijeka, Croatia, September 28, 2015.
13. Čanađija, M.: „Coupling Effects in Thermomechanics“, GKSS Forschungszentrum in der Helmholtz Gemeinschaft, Geesthacht, Germany, April 2009.
14. Čanađija, M., Brnić, J., Brčić, M.: „Application of a contact model in thermoplastic problems“, Pannonian Applied Mathematical Meetings PAMM, Balatonalmadi, Fazekas, F. (Ed.), Hungary, June 1-4. 2006.
15. Čanađija, M.: „Numeričko modeliranje velikih neizotermnih plastičnih deformacija metala“, Faculty of Mechanical Engineering, Slavonski Brod, March 31, 2005.

6. Journal Papers

6.1. Papers indexed in Web of Science Core Collection

1. Caracoglia, L.*, Čanađija, M.: [Assessing efficiency of an energy harvesting apparatus by Input Convex Neural Networks](#), Applied Energy, 413 (2026) 127794, ISSN: 0306-2619 (2024: Q1, Rank 12/176, IF 11.0).

2. Das, B., Barretta, R., Čanađija, M.*: [Physics-informed neural networks for nonlocal beam eigenvalue problems](#), Thin-Walled Structures, 222 (2026) 114530, ISSN: 0263-8231 (2024: Q1, Rank 10/171, IF 6.6).
3. Atanacković, T. M. *, Čanađija, M.: On the wave propagation in non-local thermo elasticity with time delay, International Journal of Structural Stability and Dynamics, 2025, ISSN: 0219-4554 (2024: Q2, Rank 47/182, IF 3.4)
4. Čanađija, M.*, Skoblar, A.: On Potentials and Complementary Potentials in One-Dimensional Nonlocal Integral Formulations, Meccanica, 60 (2025), pp.3387–3396 2025, ISSN: 0025-6455 (2024: Q3, Rank 93/171, IF 2.1)
5. Zlatić, M., Čanađija, M.*: [Recovering Mullins damage hyperelastic behaviour with physics augmented neural networks](#). Journal of the Mechanics and Physics of Solids, December 2024, 193, p.105839. ISSN: 0022-5096 (2024: Q1, Rank 12/171, IF 6.0)
6. Zlatić, M.*, Rocha, F., Stainier, L., Čanađija, M.: [Data-driven methods for computational mechanics: A fair comparison between neural networks based and model-free approaches](#). Computer Methods in Applied Mechanics and Engineering, 2024, 431, p.117289. ISSN: 0045-7825, (2024: Q1, Rank 7/171, IF 7.3)
7. Čanađija, M.*, Ivić, S.: [Carbon nanotubes as a basis of metamaterials and nanostructures: Crafting via design optimization](#). Mechanics of Materials 197 (2024): 105105., ISSN 0167-6636 (2024: Q1, Rank 31/171, IF 4.1)
8. Čanađija, M.*, Košmerl, V., Zlatić, M., Vrtovšnik, D., Munjas, N.: [A computational framework for nanotrusses: Input convex neural networks approach](#), European Journal of Mechanics - A/Solids 103 (2024), 105195, ISSN 0997-7538, (2024: Q1, Rank 29/171, IF 4.2).
9. Nikolić, F., Čanađija, M.*: [Machine learning of structure – property relationships: an application to heat generation during plastic deformation](#), Facta Universitatis-Series Mechanical Engineering, 23(2025) 4, pp. 687-707, ISSN 0354-2025, (2024: Q1, Rank 4/182, IF 11.4).
10. Nikolić, F., Čanađija, M.*: [Deep Learning of Temperature-Dependent Stress-Strain Hardening Curves](#), Comptes Rendus Mécanique 351 (2023) 151-170, ISSN 1631-0721, (2023: Q4, Rank 147/170, IF 1.0).
11. Zlatić, M., Čanađija, M.*: [Incompressible rubber thermoelasticity: a neural network approach](#), Computational Mechanics, 71 (2023) 895-916, ISSN: 0178-7675, (2023: Q1, Rank 13/135, IF 3.7).
12. Barretta, R.*, Čanađija, M., Luciano, R., Marotti de Sciarra, F. On the mechanics of nanobeams on nano-foundations, International Journal of Engineering Science, 180 (2022), 103747, ISSN 0020-7225 (2022: Q1, Rank 9/90, IF 6.6).
13. Barretta, R., Čanađija, M., Marotti de Sciarra, F., Skoblar, A.*: [Free Vibrations of Bernoulli-Euler Nanobeams with Point Mass Interacting with Heavy Fluid Using Nonlocal Elasticity](#), Nanomaterials, 2022, 12, 2676, ISSN: 2079-4991, (2022: Q1, Rank 39/160, IF 5.3)
14. Košmerl, V., Štajduhar, I., Čanađija, M.*: [Predicting stress-strain behavior of carbon nanotubes using neural networks](#), Neural Computing and Applications, 34(20):17821-17836, 2022, ISSN: 0941-0643 (2022: Q2, Rank 41/145, IF 6.0)
15. Nikolić, F., Štajduhar, I., Čanađija, M.*: [Casting Defects Detection in Aluminum Alloys Using Deep Learning: a Classification Approach](#), International Journal of Metalcasting, 2022, ISSN 1939-5981,(2022: Q2, Rank 26/79, IF 2.6)
16. Čanađija, M.*: [Deep learning framework for carbon nanotubes: Mechanical properties and modeling strategies](#), Carbon, 2021, 184, 891-901, ISSN 0008-6223, (2021: Q1, Rank 40/345, IF 11.307)
17. Nikolić, F., Štajduhar, I.*, Čanađija, M.*: [Casting microstructure inspection using computer vision: dendrite spacing in aluminum alloys](#), Metals, 2021, 11(5), 756, ISSN 2075-4701, (2021: Q2, Rank 25/79, IF 2.695)
18. Barretta, R., Čanađija, M., Marotti de Sciarra, F., Skoblar, A.*, Žigulić, R.: [Dynamic behavior of nanobeams under axial loads: Integral elasticity modeling and size-dependent eigenfrequencies assessment](#), Mathematical methods in the applied sciences, 2021, p. 1-18, ISSN:1099-1476 (2021: Q1, Rank 29/267, IF 3.007).
19. Vaccaro, M. S., Pinnola, F. P., de Sciarra, F. M., Čanađija, M., Barretta, R.* (2021). [Stress-driven two-phase integral elasticity for Timoshenko curved beams](#). Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems, 2021, 235(1-2), p. 52-64, ISSN: 2397-7914.
20. Barretta, R., Čanađija, M.*, Marotti de Sciarra, F.: [On Thermomechanics on Multilayered Beams](#), International Journal of Engineering Science, 155 (2020), 103364 (2020: Q1, Rank 2/91, IF 8.843).
21. Barretta, R., Čanađija, M.*, Marotti de Sciarra, F.: [Nonlocal Mechanical Behavior of Layered Nanobeams](#), Symmetry, (2020), 12 (5), 717 (2019: Q2, Rank 33/73, IF 2.713).
22. Anđelić, N., Car, Z., Čanađija, M.*: [NEMS resonators for detection of chemical warfare agents based on graphene sheet](#), Mathematical Problems in Engineering, (2019), Article ID 6451861. (2019: Q3, Rank 67/91, IF 1.009).
23. Barretta, R., Čanađija, M.*, Marotti de Sciarra, F.: [Nonlocal integral thermoelasticity: a thermodynamic framework for functionally graded beams](#), Composite Structures, 225 (2019), 111104 (2019: Q1, Rank 8/136, IF 5.138)
24. Čanađija, M.*, Munjas, N., Brnić, J.: Thermodynamically Consistent Homogenization in Finite Strain Thermoelasticity, International Journal for Multiscale Computational Engineering, 17 (2019), pp. 99-120, Special Issue in honor of Christian Miehe: Multiscale Plasticity and Related Topics, (2019: Q3, Rank 68/91, IF 1.000)
25. Barretta, R.*, Čanađija, M., Marotti de Sciarra, F.: [Modified Nonlocal Strain Gradient Elasticity for Nano-Rods and Application to Carbon Nanotubes](#), Applied Sciences, 9 (2019) 514 (2019: Q2, Rank 62/154, IF 2.474)
26. Barretta, R., Čanađija, M.*, Luciano, R., Marotti de Sciarra, F.: [Stress-Driven Modeling of Nonlocal Thermoelastic Behavior of Nanobeams](#), International Journal of Engineering Science, 126 (2018), pp.53-67 (2018: Q1, Rank 1/88, IF 9.052)
27. Barretta, R.*, Čanađija, M., Feo, L., Luciano, R., Marotti de Sciarra, F., Penna, R.: Exact solutions of inflected functionally graded nano-beams in integral elasticity, Composites Part B - Engineering, 142 (2018), pp. 273–286 (2018: Q1, Rank 1/25, IF 6.864)
28. Munjas, N.*, Čanađija, M., Brnić, J.: [Thermo-Mechanical Multiscale Modeling in Plasticity of Metals Using Small Strain Theory](#), Journal of Mechanics, 34 (2018), pp. 579-589. (2018: Q3, Rank 98/134, IF 1.304)
29. Brnić, J.*, Krščanski, S., Lanc, D., Brčić, M., Turkalj, G., Čanađija, M., Niu, J.: [Analysis of the Mechanical Behavior, Creep Resistance and Uniaxial Fatigue Strength of Martensitic Steel X46Cr13](#), Materials, 10 (2017), 388 (2017: Q2, Rank 111/285, IF 2.467)
30. Barretta, R., Brčić, M., Čanađija, M.*, Luciano, R., Marotti de Sciarra, F.: Application of Gradient Elasticity to Armchair Carbon Nanotubes: Size Effects and Constitutive Parameters Assessment, European Journal of Mechanics, A/Solids, 65 (2017), pp. 1-13. (2017: Q1, Rank 17/134, IF 2.881)
31. Čanađija, M.*, Brčić, M., Brnić, J.: Elastic properties of nanocomposite materials: influence of carbon nanotube imperfections and interface bonding, Meccanica, 52 (2017), pp. 1655-1668. (2017: Q2, Rank 45/134, IF 2.211)
32. Apuzzo, A., Barretta, R.*, Čanađija, M., Feo, L., Luciano, R., Marotti de Sciarra, F.: A closed-form model for torsion of nanobeams with an enhanced nonlocal formulation, Composites Part B - Engineering, 108 (2017), pp. 315-324 (2017: Q1, Rank 2/26, IF 4.92)
33. Anđelić, N., Žigulić, R., Čanađija, M.*: On the influence of thermal stresses on eigenvalues of a circular saw blade, Journal of Mechanical Engineering Science, Proceedings of the Institution of Mechanical Engineers Part C, 231 (2017), pp. 96-108. (2017: Q3, Rank 99/128, IF 0.996)
34. Brnić, J.*, Turkalj, G., Krščanski, S., Vukelić, G., Čanađija, M.: Uniaxial Properties versus Temperature, Creep and Impact Energy of an Austenitic Steel, High temperature materials and processes, 36 (2017), pp. 135-143, (2017: Q4, Rank 269/285, IF 0.433)
35. Brnić, J.*, Čanađija, M., Turkalj, G., Krščanski, S., Lanc, D., Brčić, M., Gao, Z.: Short-time creep, fatigue and mechanical properties of 42CrMo4 - Low alloy structural steel, Steel and Composite Structures, 22 (2016), pp. 875-888 (2016: Q1, Rank 7/61, IF 3.198)
36. Čanađija, M.*, Mosler, J.: [A variational formulation for thermomechanically coupled low cycle fatigue at finite strains](#), International Journal of Solids and Structures, 100-101 (2016), pp. 388-398. (2016: Q1, Rank 20/135, IF 2.760)
37. Brnić, J.*, Turkalj, G., Čanađija, M., Lanc, D., Krščanski, S., Brčić, M., Li, Q., Niu, J.: [Mechanical Properties, Short Time Creep, and Fatigue of an Austenitic Steel](#), Materials 9 (4), 298, 2016. (2016: Q2, Rank 63/271, IF 2.654)
38. Čanađija M.*, Barretta R., de Sciarra F.M.: On functionally graded Timoshenko nonisothermal nanobeams, Composite Structures, 135 (2016), pp. 286-296. (2016: Q1, Rank 5/25, IF 3.858)

39. Čanađija M.*, Barretta R., Marotti De Sciarra F.: A gradient elasticity model of Bernoulli-Euler nanobeams in non-isothermal environments, *European Journal of Mechanics, A/Solids*, 55 (2016), pp. 243-255. (2016: Q1, Rank 17/135, IF 2.846),
40. Barretta, R. *, Čanađija, M., Marotti de Sciarra, F.: A higher-order Eringen model for Bernoulli–Euler nanobeams, *Archive of Applied Mechanics*, 86 (2016), pp. 483-495 (2016: Q3, Rank 75/133, IF 1.490)
41. Bartels, A., Bartel, T., Čanađija, M., Mosler, J.*: On the thermomechanical coupling in dissipative materials: A variational approach for generalized standard materials, *Journal of the Mechanics and Physics of Solids*, 82, (2015), pp. 218-234. (2015: Q1, Rank 5/135, IF 3.875)
42. Marotti de Sciarra, F. *, Čanađija, M., Barretta, R.: A gradient model for torsion of nanobeams, *Comptes Rendus Mecanique* 343 (2015), pp. 289-300. (2015: Q3, Rank 93/135, IF 0.988)
43. Brnić, J. *, Turkalj, G., Čanađija, M., Krščanski, S., Brčić, M., Lanc, D.: Deformation behaviour and material properties of austenitic heat-resistant steel X15CrNiSi25-20 subjected to high temperatures and creep, *Materials & Design* 69 (2015), 219-229, (2015: Q1, Rank 44/271, IF 3.997)
44. Brnić, J. *, Turkalj, G., Čanađija, M., Lanc, D., Brčić, M.: Study of the Effects of High Temperatures on the Engineering Properties of Steel 42CrMo4, *High Temperature Materials and Processes* 34 (2015), 27-34, (2015: Q4, Rank 260/271, IF 0.349)
45. Brnić, J. *, Turkalj, G., Čanađija, M.: Mechanical Testing of the Behavior of Steel 1.7147 at Different Temperatures, *Steel and composite structures* 17 (2014), pp. 549-560, (2014: Q2, Rank 25/59, IF 0.964)
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