

Bibliography

Prof. MARKO ČANAĐIJA, Ph. D.

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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 9780128024481, 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.
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3.2. Book Editor

1. Čanađija, M., Travaš, V., Vukelić, G., Pranjić, I.: Book of Abstracts - My First Conference 2019, ISBN 978-953-6953-50-9, Rijeka, 2019.
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4. Chapter in Books

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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.
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5. Invited Lectures

1. 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.
2. 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.
3. Čanađija, M.: „Modeliranje mehaničkog ponašanja ugljikovih nanocijevi pomoću integrabilnih konveksnih neuronskih mreža i primjene na nanorešetkaste strukture“, Novi Sad, Serbia, July 19, 2024.
4. Čanađija, M.: „nonNano - završni rezultati“, May 28, 2024.
5. 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.
6. 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.
7. Čanađija, M.: „Singlescale and Multiscale Thermoplasticity“, Faculty of Civil Engineering, University of Rijeka, Rijeka, Croatia, December 1, 2017.
8. Čanađija, M.: „Thermomechanics of Solids: Experimental Observations and Numerical Calculations“, Henan Polytechnics University, Jiaozuo, Henan, China, November 11, 2016.
9. Čanađija, M.: „A Multiscale Approach to Thermoplasticity“, Multiscale modelling of heterogenous structures, MUMO 2016, Allix, O., Sorić, J., Wriggers, P. (Eds.), Dubrovnik, September 21-23, 2016.
10. 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.
11. Čanađija, M.: „Coupling Effects in Thermomechanics“, GKSS Forschungszentrum in der Helmholtz Gemeinschaft, Geesthacht, Germany, April 2009.
12. 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.
13. Čanađija, M.: „Numeričko modeliranje velikih neizoternih 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

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2. 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.
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