

Lista Publicații **ROXANA-MARIANA BEIU**

Publicații	2 cărți		
	11 articole de jurnal	2 ISI (IF = 1.637, IF = 3.307)	9 BDI
	18 conferințe	13 ISI	5 BDI
Prezentări	4		
Alte Conferințe	13		
Citări	27		
Cursuri	1	WSU: ME220	Mechanics of Materials
	6	UAV: EIM	Elemente de Inginerie Mecanica
		APTB	Automatizarea Proceselor Tehnologice si Biotehnologice
		APIA	Automatizarea Proceselor din Industria Alimentară
		MF	Mecanica Fluidelor
		IA	Informatica Aplicata
		GAC	Grafica Asistata de Calculator
		WSU – Washington University, Pullman, WA, USA	
		UAV – Universitatea “Aurel Vlaicu” din Arad, Arad, Romania	

Observație Pandelescu este numele de fată.

Teza de Doctorat

R.M. Beiu, *Contribuții teoretice și experimentale privind realizarea unei noi clase de senzori pentru evaluarea deformațiilor mecanice*, Universitatea „Politehnica” București, Noiembrie 2007.

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Proceedings of the Third Annual Mechanical Engineering Graduate Symposium
School of Mechanical and Materials Engineering, Washington State University
Pullman, WA, USA, Apr. 2003
- B2 R.M. Beiu
Inginerie Mecanică, Pas cu Pas (Statica: Analiza Sistemelor în Echilibru)
Ed. UAV Arad, ISBN, 978-973-752-816-2, June 2019

11 Articole în jurnale (2 ISI și 8 BDI)

- J1 R.M. Pandelescu
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- J2 A.J. Foust, R.M. Beiu, D.M. Rector
Optimized Birefringence Changes During Isolated Nerve Activation
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- J3 C.D. Stănescu, R.M. Beiu
Connecting Optical Fibers
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vol. 15, no. 5, pp. 621-624, 2006
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http://www.imtuoradea.ro/auo.fmte/files-2006/MECATRONICA_files/Constantin%20Stanescu%201.pdf
- J4 R.M. Beiu, and C.D. Stănescu
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Their Main Characteristics for Various Topologies
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- J8 R.M. Beiu, V. Beiu, and V.-F. Duma
Fiber Optic Mechanical Deformation Sensors Employing Perpendicular Photonic Crystals
Optics Express, vol. 25, issue 19, pp. 23388-23398, 18 Sep. 2017 IF=3.307 ISI
<https://www.osapublishing.org/oe/abstract.cfm?uri=oe-25-19-23388>
- J9 M. Balas, J. Nikolic, R. Lile, M. Popa, R.M. Beiu,
Intelligent Rooftop Greenhouses and Green Skyline Cities
SWS Journal of EARTH & PLANETARY SCIENCES, vol. 1, issue 2, pp. 15-28, 2019.

- <https://doi.org/10.35603/eps2019/issue2.02> BDI
- J10 R.M. Beiu, D. G. Radu
Smartphones – Smart Eating?
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- J11 N. Pop, R.M. Beiu, P. Svera, C. Mnerie, G. Hutiu, V.-F. Duma
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- C1 R.M. Beiu, C.D. Stănescu, A. Cârstoiu
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Brașov, Romania, 22-24 Feb. 2007, pp. 135-140 BDI
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Transverse 2D photonic crystal inside a fiber optic for picometer-scale measurements
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- C9 R.M. Beiu, C. Mnerie, N. Pop, V.-F. Duma, G. M. Dobre, A. Bradu, A. Gh. Podoleanu,
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- C10 C. Marcauteanu, E.T. Stoica, F.E. Mitroi, C. Sinescu, M.L. Negrutiu, Gh. Hutiu, R.-M. Beiu, V.-F. Duma
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- C11 R.M. Beiu, V.-F. Duma, V. Beiu
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- C17. V. Beiu, V.-F. Dragoi, and R.-M. Beiu
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- C18. S. Hoara, R.-M. Beiu, and V. Beiu
Investigating Hammock Networks on IBM Q,
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- P3 R.M. Beiu, M. Balas, V. Beiu
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San Francisco, CA, USA, 3-5 June, 2019
- P4 R.-M. Beiu
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- O2 A. Vasile, R.M. Pandelescu
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- O6 R.M. Beiu
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- O9 R.-M. Beiu, C. Mnerie, N. Pop, V.-F. Duma
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- O11 R.-M. Beiu, V.-F. Duma
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- O12 R.-M. Beiu
COMSOL capabilities for photonics simulations
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- O13 R.-M. Beiu, V. Beiu
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Semnatura

