PERSONAL INFORMATION

TIBOR-ADRIAN ÓVÁRI

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Nationality	Romanian
Date of birth	18 MAY 1969

WORK EXPERIENCE

• Dates (from – to)	2006 – present
• Name and address of employer	National Institute of Research and Development for Technical Physics (NIRDTP), 47 Mangeron Boulevard, 700050 Iași, Romania
• Type of business or sector	Research and Development
• Occupation or position held	Research Scientist
• Main activities and responsibilities	Research activities in the field of magnetism and magnetic materials; Specific scientific activities in research projects funded by national and European research programs; Principal investigator in five national projects; Member of the Management Team in one EU funded project (FP7).
• Dates (from – to)	2003 – 2005
• Name and address of employer	Cardiff University – School of Engineering – Wolfson Centre for Magnetics Technology, Newport Road, CF24 3AA, Cardiff, UK
• Type of business or sector	Research and Development
• Occupation or position held	Postdoctoral Research Associate
• Main activities and responsibilities	Specific research activities in a European project funded within FP6 (EU GROWTH project no. G5RD-CT-2002-00690, Magnetostrictive bilayers for multi-functional sensor families – B-SENS); Writing project proposals for submission to EPSRC (Engineering and Physical Sciences Research Council, United Kingdom)
• Dates (from – to)	2002 – 2003
• Name and address of employer	École Polytechnique Montréal – Département de génie physique, 2500, Chemin de Polytechnique, Montréal (Québec), Canada H3T 1J4
• Type of business or sector	Research and Development
• Occupation or position held	Postdoctoral Fellow
• Main activities and responsibilities	Specific research activities in a Canadian national project related to the preparation and investigation of magnetic nanowires by electrochemical deposition; Writing and publication of scientific reports and journal papers.
• Dates (from – to)	2000 – 2002
• Name and address of employer	National Institute of Research and Development for Technical Physics (NIRDTP), 47 Mangeron Boulevard, 700050 Iași, Romania
• Type of business or sector	Research and Development
• Occupation or position held	Researcher

• Main activities and responsibilities	Research activities in the field of magnetism and magnetic materials; Specific research activities in Romanian national projects.
• Dates (from – to)	1999 – 2000
• Name and address of employer	Instituto de Ciencia de Materiales de Madrid – Consejo Superior de Investigaciones Cientificas (CSIC), Sor Juana Inés de la Cruz, 3, Cantoblanco, 28049 Madrid, Spain
• Type of business or sector	Research and Development
• Occupation or position held	NATO Advanced Postdoctoral Fellow
• Main activities and responsibilities	Specific research activities in a NATO funded project in the field of magnetic materials and their applications.
• Dates (from – to)	1993 – 1999
• Name and address of employer	National Institute of Research and Development for Technical Physics (NIRDTP), 47 Mangeron Boulevard, 700050 Iași, Romania
• Type of business or sector	Research and Development
• Occupation or position held	Researcher
• Main activities and responsibilities	Research activities in the field of magnetism and magnetic materials; Specific research activities in Romanian national projects; Writing and publication of scientific reports and journal papers.

EDUCATION AND TRAINING

• Dates (from – to)	1994 – 1998
• Name and type of organization providing education and training	"Alexandru Ioan Cuza" University, Faculty of Physics, Iași, Romania University – Higher Education Institution
• Principal subjects/occupational skills covered	Physics – Electricity and Magnetism
• Title of qualification awarded	PhD in Physics
• Level in national classification (if appropriate)	--
• Dates (from – to)	1988 – 1993
• Name and type of organization providing education and training	"Alexandru Ioan Cuza" University, Faculty of Physics, Iași, Romania University – Higher Education Institution
• Principal subjects/occupational skills covered	Solid State Physics
• Title of qualification awarded	Physicist
• Level in national classification (if appropriate)	--

PERSONAL SKILLS

MOTHER TONGUE **ROMANIAN**

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
ENGLISH	C2	C2	C2	C2	C2
HUNGARIAN	B2	B2	B1	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user

COMMUNICATION SKILLS	- team spirit; - good communication skills; - good ability to adapt to multicultural environments, gained though my work experience abroad.
ORGANIZATIONAL / MANAGERIAL SKILLS	Good skills in the coordination and administration of research projects and budgets based on the experience as a Principal Investigator in a number of nationally funded projects.
TECHNICAL SKILLS	Excellent IT skills, including the use of new and innovative software. Excellent technical skills and competences in using specific equipment and devices for the preparation and characterization of magnetic materials.
ADDITIONAL INFORMATION	Member of the Management Board of NIRDTP Iași since 2015. Member of the Scientific Council of NIRDTP Iași. Publications: 118 papers published in ISI journals, 3 book chapters. Over 1400 independent citations; Hirsch index 20. 2 national patents; 1 national patent application; 1 international patent. Member of the Organizing Committee of the ANMM'2011 Workshop, Iași, Romania, September 2011 and of the Programme Committee and Organizing Committee of the 5th European Magnetic Sensors and Actuators (EMSA) Conference EMSA 2004, July 2004, Cardiff, UK. *PROFESSIONAL AFFILIATIONS:* IEEE Magnetics Society. Editorial Board Member for IEEE Magnetics Letters – 2015 – 2017. Associate Editor for IEEE Magnetics Letters since January 2018 International evaluator for grants proposals for the European Commission (FP7 and Horizon 2020). PhD Supervision: 2nd supervisor for Ms. Malini Vieyra, Cardiff University, Oct. 2004 – Sept. 2005. Awards received: "Ștefan Procopiu" award of the Romanian Academy (1995).

30.08.2019

Tibor-Adrian Óvári

List of ISI Journal Publications - Tibor-Adrian Óvári

1. Field and current controlled domain wall propagation in twisted glass-coated magnetic microwires
   Corodeanu, S; Chiriac, H; Damian, A; Lupu, N; **Ovari, TA**
   SCIENTIFIC REPORTS Volume: 9 Article Number: 5868 Published: APR 10 2019
2. Effective anisotropies in magnetic nanowires using the torque method
   Rotarescu, C; Moreno, R; Fernandez-Roldan, JA; Trabada, DG; Nemes, NM; Feher, T; Bran, C; Vazquez, M; Chiriac, H; Lupu, N; **Ovari, TA**; Chubykalo-Fesenko, O
   JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 443 Pages: 378-384 Published: DEC 1 2017
3. Long GMI sensors for the detection of repetitive deformation of a surface
   Corodeanu, S; Chiriac, H; **Ovari, TA**; Lupu, N
   AIP ADVANCES Volume: 7 Issue: 5 Article Number: 056621 Published: MAY 2017
4. Ultrathin nanocrystalline magnetic wires
   Chiriac, H; Lupu, N; Stoian, G; Ababei, G; Corodeanu, S; **Ovari, TA**
   CRYSTALS Volume: 7 Issue: 2 Article Number: 48 Published: FEB 2017
5. Magnetic properties and giant magnetoimpedance in FINEMET cold drawn microwires
   Donac, A; Corodeanu, S; Lupu, N; **Ovari, TA**; Chiriac, H
   OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS Volume: 10 Issue: 11-12 Pages: 958-960 Published: NOV-DEC 2016
6. Magnetic anisotropy in rapidly quenched amorphous glass-coated nanowires
   Ovari, TA; Rotarescu, C; Atitoaie, A; Corodeanu, S; Lupu, N; Chiriac, H
   JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 410 Pages: 100-104 Published: JUL 15 2016
7. Pulse wave detection magnetoelastic sensing device based on nanocrystalline microwires for the indirect diagnosis of paroxysmal rhythm disorders
   Chiriac, H; Hlenschi, C; Corodeanu, S; Grecu, M; **Ovari, TA**; Lupu, N
   IEEE TRANSACTIONS ON MAGNETICS Volume: 52 Issue: 7 Article Number: 4001404 Published: JUL 2016
8. Controlled motion of domain walls in submicron amorphous wires
   Tibu, M; Lostun, M; Allwood, DA; Rotarescu, C; Atitoaie, A; Lupu, N; **Ovari, TA**; Chiriac, H
   AIP ADVANCES Volume: 6 Issue: 5 Article Number: 055922 Published: MAY 2016
9. Magneto-mechanical modeling study of Co-based amorphous micro and nanowires for acoustic sensing medical applications
   Atitoaie, A; Stancu, A; **Ovari, TA**; Lupu, N; Chiriac, H
   PHYSICA B-CONDENSED MATTER Volume: 486 Pages: 69-72 Published: APR 1 2016
10. Shape anisotropy in zero-magnetostrictive rapidly solidified amorphous nanowires
    Rotarescu, C; Atitoaie, A; Stoleriu, L; **Ovari, TA**; Lupu, N; Chiriac, H
    PHYSICA B-CONDENSED MATTER Volume: 486 Pages: 73-76 Published: APR 1 2016
11. Magnetic properties of CoFeSiB/(Co, CoPtRh) multilayer microwires
    Borza, F; **Ovari, TA**; Corodeanu, S; Stoian, G; Chiriac, H
    IEEE TRANSACTIONS ON MAGNETICS Volume: 51 Issue: 11 Article Number: 2005204 Published: NOV 2015
12. Influence of cold drawing on the magnetic properties and giant magneto-impedance response of FINEMET nanocrystalline wires
    Chiriac, H; Corodeanu, S; Donac, A; Dobrea, V; Ababei, G; Stoian, G; Lostun, M; **Ovari, TA**; Lupu, N
    JOURNAL OF APPLIED PHYSICS Volume: 117 Issue: 17 Article Number: 17A314 Published: MAY 7 2015
13. Origin of magnetic bistability in rapidly solidified (Co0.94Fe0.06)(72.5)Si12.5B15 nearly zero magnetostrictive amorphous nanowires
    Ovari, TA; Chiriac, H
    JOURNAL OF APPLIED PHYSICS Volume: 117 Issue: 17 Article Number: 17D502 Published: MAY 7 2015
14. As-cast nanocrystalline glass-coated microwires
    Corodeanu, S; Ababei, G; Lupu, N; **Ovari, TA**; Chiriac, H
    JOURNAL OF ALLOYS AND COMPOUNDS Volume: 615 Pages: S265-S268 Published: DEC 5 2014
15. Effect of in situ glass removal on the magnetic switching in amorphous microwires
    Corodeanu, S; **Ovari, TA**; Chiriac, H
    IEEE TRANSACTIONS ON MAGNETICS Volume: 50 Issue: 11 Article Number: 2007204 Published: NOV 2014
16. Magnetostatic and magnetoelastic interactions in glass-coated magnetostrictive nanowires
    Ovari, TA; Lupu, N; Corodeanu, S; Chiriac, H
    IEEE TRANSACTIONS ON MAGNETICS Volume: 50 Issue: 11 Article Number: 2006904 Published: NOV 2014
17. Magnetization reversal in zero-magnetostrictive rapidly solidified amorphous nanowires

Ovari, TA; Corodeanu, S; Rotarescu, C; Chiriac, H
IEEE TRANSACTIONS ON MAGNETICS Volume: 50 Issue: 11 Article Number: 2007304 Published: NOV 2014

18. Analysis and modeling of a small electrical generator based on nanocrystalline ribbons
Tibu, M; Rotarescu, C; **Ovari, TA**; Lupu, N; Chiriac, H
IEEE TRANSACTIONS ON MAGNETICS Volume: 50 Issue: 11 Article Number: 8002204 Published: NOV 2014
19. Nanocrystalline ribbons for energy harvesting applications
Chiriac, H; Tibu, M; Lupu, N; Skorvanek, I; **Ovari, TA**
JOURNAL OF APPLIED PHYSICS Volume: 115 Issue: 17 Article Number: 17A320 Published: MAY 7 2014
20. Intrinsic domain wall pinning in rapidly solidified amorphous nanowires
Ovari, TA; Chiriac, H
JOURNAL OF APPLIED PHYSICS Volume: 115 Issue: 17 Article Number: 17A329 Published: MAY 7 2014
21. Microstructure and magnetic properties of FINEMET nanowires
Chiriac, H; Corodeanu, S; **Ovari, TA**; Lupu, N
JOURNAL OF APPLIED PHYSICS Volume: 113 Issue: 17 Article Number: 17A329 Published: MAY 7 2013
22. Domain wall mobility in rapidly solidified ultrathin amorphous wires
Ovari, TA; Chiriac, H
JOURNAL OF APPLIED PHYSICS Volume: 113 Issue: 17 Article Number: 17A304 Published: MAY 7 2013
23. Size and temperature dependence of the magnetic properties of electrodeposited FeCoNiB nanowires
Vieyra, M; Meydan, T; **Ovari, TA**
SENSOR LETTERS Volume: 11 Issue: 1 Pages: 205-208 Published: JAN 2013
24. Simultaneous magneto-optical Kerr effect and Sixtus-Tonks method for analyzing the shape of propagating domain walls in ultrathin magnetic wires
Tibu, M; Lostun, M; **Ovari, TA**; Chiriac, H
REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 83 Issue: 6 Article Number: 064708 Published: JUN 2012
25. Novel trends in the study of magnetically soft Co-based amorphous glass-coated wires
Chiriac, H; **Ovari, TA**
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 323 Issue: 23 Pages: 2929-2940 Published: DEC 2011
26. Controlled manipulation of domain walls in amorphous microwires
Ovari, TA; Tibu, M; Chiriac, H
IEEE TRANSACTIONS ON MAGNETICS Volume: 47 Issue: 10 Pages: 2838-2840 Published: OCT 2011
27. Magnetic characterization of submicron wires and nanowires using digital integration techniques
Corodeanu, S; Chiriac, H; Lupu, N; **Ovari, TA**
IEEE TRANSACTIONS ON MAGNETICS Volume: 47 Issue: 10 Pages: 3513-3515 Published: OCT 2011
28. Accurate measurement of domain wall velocity in amorphous microwires, submicron wires, and nanowires
Corodeanu, S; Chiriac, H; **Ovari, TA**
REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 82 Issue: 9 Article Number: 094701 Published: SEP 2011
29. Domain wall velocity in submicron amorphous wires
Ovari, TA; Corodeanu, S; Chiriac, H
JOURNAL OF APPLIED PHYSICS Volume: 109 Issue: 7 Article Number: 07D502 Published: APR 1 2011
30. Comparative study of the magnetic properties of positive and nearly zero magnetostrictive submicron amorphous wires
Chiriac, H; Lostun, M; Ababei, G; **Ovari, TA**
JOURNAL OF APPLIED PHYSICS Volume: 109 Issue: 7 Article Number: 07B501 Published: APR 1 2011
31. Magnetization process and domain structure in the near-surface region of conventional amorphous wires
Chiriac, H; Lostun, M; **Ovari, TA**
JOURNAL OF APPLIED PHYSICS Volume: 109 Issue: 7 Article Number: 07B504 Published: APR 1 2011
32. Rapidly solidified amorphous nanowires
Chiriac, H; Corodeanu, S; Lostun, M; Stoian, G; Ababei, G; **Ovari, TA**
JOURNAL OF APPLIED PHYSICS Volume: 109 Issue: 6 Article Number: 063902 Published: MAR 15 2011
33. Magnetic behavior of rapidly quenched submicron amorphous wires
Chiriac, H; Corodeanu, S; Lostun, M; Ababei, G; **Ovari, TA**
JOURNAL OF APPLIED PHYSICS Volume: 107 Issue: 9 Article Number: 09A301 Published: MAY 1 2010
34. Magnetoresistance effect in soft magnetic amorphous microwires
Ovari, TA; Grigoras, M; Chiriac, H
JOURNAL OF APPLIED PHYSICS Volume: 107 Issue: 9 Article Number: 09A317 Published: MAY 1 2010
35. Magnetization process and GMI effect in as-cast nanocrystalline microwires
Corodeanu, S; **Ovari, TA**; Lupu, N; Chiriac, H
IEEE TRANSACTIONS ON MAGNETICS Volume: 46 Issue: 2 Pages: 380-382 Published: FEB 2010
36. Surface magnetization processes in amorphous microwires
Chiriac, H; Lostun, M; **Ovari, TA**

IEEE TRANSACTIONS ON MAGNETICS Volume: 46 Issue: 2 Pages: 383-386 Published: FEB 2010

37. Near-surface magnetic structure and GMI response in amorphous microwires
Ovari, TA; Corodeanu, S; Chiriac, H
IEEE TRANSACTIONS ON MAGNETICS Volume: 45 Issue: 10 Pages: 4282-4285 Published: OCT 2009
38. Domain wall propagation in nanocrystalline glass-coated microwires
Chiriac, H; Tibu, M; **Ovari, TA**
IEEE TRANSACTIONS ON MAGNETICS Volume: 45 Issue: 10 Pages: 4286-4289 Published: OCT 2009
39. Effect of surface domain structure on wall mobility in amorphous microwires
Chiriac, H; **Ovari, TA**; Tibu, M
JOURNAL OF APPLIED PHYSICS Volume: 105 Issue: 7 Article Number: 07A310 Published: APR 1 2009
40. Outer shell structure in nearly zero magnetostrictive amorphous microwires
Ovari, TA; Chiriac, H; Lostun, M
JOURNAL OF APPLIED PHYSICS Volume: 105 Issue: 7 Article Number: 07A325 Published: APR 1 2009
41. Domain wall propagation in nearly zero magnetostrictive amorphous microwires
Chiriac, H; **Ovari, TA**; Tibu, M
IEEE TRANSACTIONS ON MAGNETICS Volume: 44 Issue: 11 Pages: 3931-3933 Published: NOV 2008
42. Applications of the bi-layer thin film sensor system for registering cardio-respiratory activity
Katranas, GS; Meydan, T; **Ovari, TA**; Borza, F
SENSORS AND ACTUATORS A-PHYSICAL Volume: 142 Issue: 2 Pages: 455-458 Published: APR 10 2008
43. Thermal stability of bi-layer thin film displacement sensors systems
Katranas, GS; Meydan, T; **Ovari, TA**; Borza, F
SENSORS AND ACTUATORS A-PHYSICAL Volume: 142 Issue: 2 Pages: 479-484 Published: APR 10 2008
44. Dipolar interaction between amorphous microwires
Chiriac, H; Corodeanu, S; **Ovari, TA**
IEEE TRANSACTIONS ON MAGNETICS Volume: 44 Issue: 4 Pages: 479-484 Published: APR 2008
45. Phenomenological model for the simulation of hysteresis loops in NiFe/Cu multilayered nanowires
Chiriac, H; **Ovari, TA**; Pascariu, P
JOURNAL OF APPLIED PHYSICS Volume: 103 Issue: 7 Article Number: 07D919 Published: APR 1 2008
46. Fe-(Au,Cu)-B two-phase magnetic microwires with exchange coupled nanosized grains
Lupu, N; **Ovari, TA**; Corodeanu, S; Chiriac, H
JOURNAL OF APPLIED PHYSICS Volume: 103 Issue: 7 Article Number: 07E725 Published: APR 1 2008
47. Magnetic properties of Fe-based amorphous thin films
Dobromir, M; Neagu, M; Pohoata, V; Borza, F; Meydan, T; **Ovari, TA**; Popa, G; Chiriac, H
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 10 Issue: 2 Pages: 410-412 Published: FEB 2008
48. Interdomain wall in amorphous glass-coated microwires
Chiriac, H; **Ovari, TA**; Corodeanu, S; Ababei, G
PHYSICAL REVIEW B Volume: 76 Issue: 21 Article Number: 214433 Published: DEC 2007
49. Optimized GMI response of co-based amorphous glass-coated microwires by direct control over the magnetoelastic anisotropy from the surface region
Chiriac, H; Corodeanu, S; Tibu, M; **Ovari, TA**
IEEE TRANSACTIONS ON MAGNETICS Volume: 43 Issue: 6 Pages: 2977-2979 Published: JUN 2007
50. Size triggered change in the magnetization mechanism of nearly zero magnetostrictive amorphous glass-coated microwires
Chiriac, H; Corodeanu, S; Tibu, M; **Ovari, TA**
JOURNAL OF APPLIED PHYSICS Volume: 101 Issue: 9 Article Number: 09N116 Published: MAY 1 2007
51. A frequency modulation based system using bilayer thin-film displacement sensors
Katranas, GS; Meydan, T; **Ovari, TA**; Borza, F
IEEE TRANSACTIONS ON MAGNETICS Volume: 43 Issue: 3 Pages: 1035-1039 Published: MAR 2007
52. A novel phase modulation-based system using bi-layer thin film displacement sensors
Meydan, T; Katranas, GS; **Ovari, TA**; Borza, F
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 310 Issue: 2 Pages: E986-E988 Part: 3 Published: MAR 2007
53. Thermal stability of bi-layer thin film displacement sensors
Katranas, GS; Meydan, T; **Ovari, TA**; Borza, F
SENSOR LETTERS Volume: 5 Issue: 1 Pages: 102-104 Published: MAR 2007
54. A novel bi-layer thin film sensor system for registering cardio-respiratory activity
Katranas, GS; Meydan, T; **Ovari, TA**; Borza, F
SENSOR LETTERS Volume: 5 Issue: 1 Pages: 215-217 Published: MAR 2007
55. Bulk and surface magnetization of nearly zero magneto strictive Co-based amorphous glass-coated microwires
Ovari, TA; Borza, F; Meydan, T
SENSORS AND ACTUATORS A-PHYSICAL Volume: 129 Issue: 1-2 Pages: 37-40 Published: MAY 24 2006
56. Mechanical torque in the ac field induced rotation of amorphous wires

Borza, F; **Ovari, TA**; Meydan, T
SENSORS AND ACTUATORS A-PHYSICAL Volume: 129 Issue: 1-2 Pages: 224-226 Published: MAY 24 2006

57. Simulation and measurement of bilayer sensor characteristics
Katranas, GS; Meydan, T; **Ovari, TA**; Borza, F; Yasin, M; Malvicino, C; Pfutzner, H; Vazquez, M; Rohn, M; Marquardt, B
SENSORS AND ACTUATORS A-PHYSICAL Volume: 129 Issue: 1-2 Pages: 243-246 Published: MAY 24 2006
58. Magnetic properties of electrodeposited CoFeB thin films and nanowire arrays
Ciureanu, M; Beron, F; Clime, L; Ciureanu, P; Yelon, A; **Ovari, TA**; Cochrane, RW; Normandin, F; Veres, T
ELECTROCHIMICA ACTA Volume: 50 Issue: 22 Pages: 4487-4497 Published: AUG 10 2005
59. Surface magnetic anisotropy in nearly zero magnetostrictive CAW and GCAW by FMR measurements
Chiriac, H; Lupu, N; Fecioru, AM; **Ovari, TA**
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 290 Pages: 857-860 Part: 2 Published: APR 2005
60. FMR investigation of surface anisotropy in twisted amorphous wires
Chiriac, H; Fecioru, AM; **Ovari, TA**
SENSORS AND ACTUATORS A-PHYSICAL Volume: 106 Issue: 1-3 Pages: 251-254 Published: SEP 15 2003
61. Correlation between magnetoelastic resonance and ac field-induced rotation of magnetostrictive amorphous wire
Ovari, TA; Tibu, M; Chiriac, H
SENSORS AND ACTUATORS A-PHYSICAL Volume: 106 Issue: 1-3 Pages: 267-269 Published: SEP 15 2003
62. Preparation and magnetic properties of electrodeposited magnetic nanowires
Chiriac, H; Moga, AE; Urse, M; **Ovari, TA**
SENSORS AND ACTUATORS A-PHYSICAL Volume: 106 Issue: 1-3 Pages: 348-351 Published: SEP 15 2003
63. Preparation and magnetic properties of Ni80Fe20 nanowire arrays
Chiriac, H; **Ovari, TA**; Moga, AE; Urse, M
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 5 Issue: 1 Pages: 257-260 Published: MAR 2003
64. Stress and temperature effect on the FMR response of nearly zero magnetostrictfve amorphous microwires
Tufescu, FM; **Ovari, TA**; Chiriac, H; Stancu, A
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 5 Issue: 1 Pages: 273-277 Published: MAR 2003
65. Magnetoelastic anisotropy of amorphous microwires
Chiriac, H; **Ovari, TA**; Zhukov, A
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 254 Pages: 469-471 Published: JAN 2003
66. Saturation magnetostriction of Co-rich glass-covered amorphous wires
Neagu, M; Chiriac, H; Vazquez, M; Borza, F; **Ovari, TA**
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 254 Pages: 472-474 Published: JAN 2003
67. Giant magnetoimpedance effect in soft magnetic wire families
Chiriac, H; **Ovari, TA**
IEEE TRANSACTIONS ON MAGNETICS Volume: 38 Issue: 5 Pages: 3057-3062 Part: 1 Published: SEP 2002
68. Magnetic properties of amorphous glass-covered wires
Chiriac, H; **Ovari, TA**
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 249 Issue: 1-2 Pages: 46-54 Published: AUG 2002
69. Stress dependence of the saturation magnetostriction in Co(68.15)Fe(4.35)Si(12.5)B(15) glass-covered amorphous wires
Chiriac, H; Neagu, M; Vazquez, M; **Ovari, TA**; Hristoforou, E
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 249 Issue: 1-2 Pages: 122-125 Published: AUG 2002
70. Switching field calculations in amorphous microwires with positive magnetostriction
Chiriac, H; **Ovari, TA**
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 249 Issue: 1-2 Pages: 141-145 Published: AUG 2002
71. A model for magnetization reversal in positive magnetostrictive amorphous microwires
Chiriac, H; **Ovari, TA**
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 4 Issue: 2 Pages: 367-371 Published: JUN 2002
72. FMR investigation of the amorphous CoFeSiB glass-covered wires in the presence of mechanical tension
Tufescu, FM; Chiriac, H; **Ovari, TA**; Stancu, A
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 242 Pages: 254-256 Part: 1 Published: APR 2002
73. AC field induced rotation of magnetostrictive nickel wires

Raposo, V; **Ovari, TA**; Vazquez, M
IEEE TRANSACTIONS ON MAGNETICS Volume: 37 Issue: 4 Pages: 2705-2707 Part: 1 Published: JUL 2001

74. New viscosimeter based on the ac field induced rotation of magnetostrictive amorphous wires
Vazquez, M; Castano, FJ; **Ovari, TA**; Raposo, V; Hernando, A
SENSORS AND ACTUATORS A-PHYSICAL Volume: 91 Issue: 1-2 Pages: 112-115 Published: JUN 5 2001
75. Magneto-impedance response in ring shaped amorphous wires
Ovari, TA; Chiriac, H; Marinescu, CS; Castano, FJ; Vazquez, M; Hernando, A
SENSORS AND ACTUATORS A-PHYSICAL Volume: 91 Issue: 1-2 Pages: 207-209 Published: JUN 5 2001
76. FMR Investigation of the amorphous CoFeSiB glass-covered wires in the presence of mechanical tension
Tufescu, FM; Chiriac, H; **Ovari, TA**; Stancu, A
INTERNATIONAL JOURNAL OF APPLIED ELECTROMAGNETICS AND MECHANICS Volume: 14 Issue: 1-4 Pages: 439-442 Published: 2001
77. AC field-induced rotation of magnetostrictive wires: Operating principle for field positioning microrotor sensors
Castano, FJ; Vazquez, M; **Ovari, TA**; Chen, DX; Hernando, A
IEEE TRANSACTIONS ON MAGNETICS Volume: 36 Issue: 5 Pages: 2791-2793 Part: 1 Published: SEP 2000
78. Correlation between the magneto-impedance and ferromagnetic resonance responses in nanocrystalline microwires
Ovari, TA; Chiriac, H; Vazquez, M; Hernando, A
IEEE TRANSACTIONS ON MAGNETICS Volume: 36 Issue: 5 Pages: 3445-3447 Part: 1 Published: SEP 2000
79. Magnetic properties of stress-Joule-heated amorphous FeCrBSi microwire
Kraus, L; Chiriac, H; **Ovari, TA**
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 215 Pages: 343-345 Published: JUN 2000
80. FMR Investigation of the nanocrystalline FeCuNbSiB glass-covered wires
Chiriac, H; Colesniuc, CN; **Ovari, TA**
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 215 Pages: 407-409 Published: JUN 2000
81. Large gyromagnetic effect in soft magnetic amorphous ribbons and wires
Chiriac, H; **Ovari, TA**; Marinescu, CS
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 215 Pages: 413-415 Published: JUN 2000
82. Temperature dependence of the magneto-impedance effect in Co-rich amorphous glass-covered wires
Chiriac, H; Marinescu, CS; **Ovari, TA**
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 215 Pages: 539-541 Published: JUN 2000
83. Ferromagnetic resonance investigation of surface anisotropy distribution in amorphous glass-covered wires
Chiriac, H; Colesniuc, CN; **Ovari, TA**; Castano, FJ
JOURNAL OF APPLIED PHYSICS Volume: 87 Issue: 9 Pages: 4816-4818 Part: 2 Published: MAY 1 2000
84. Magneto-impedance behaviour of Co-based glass-covered wires at microwave frequencies
Brunetti, L; Tiberto, P; Vinai, F; Stantero, A; Chiriac, H; **Ovari, TA**
SENSORS AND ACTUATORS A-PHYSICAL Volume: 81 Issue: 1-3 Pages: 117-120 Published: APR 1 2000
85. Large gyromagnetic effect in magnetostrictive amorphous wires
Chiriac, H; Marinescu, CS; **Ovari, TA**
SENSORS AND ACTUATORS A-PHYSICAL Volume: 81 Issue: 1-3 Pages: 126-128 Published: APR 1 2000
86. FMR investigation of the magnetic anisotropy in positive magnetostrictive amorphous glass-covered wires
Chiriac, H; Colesniuc, CN; **Ovari, TA**
IEEE TRANSACTIONS ON MAGNETICS Volume: 35 Issue: 5 Pages: 3841-3843 Part: 2 Published: SEP 1999
87. Magnetic domain structure in amorphous glass-covered wires with positive magnetostriction
Chiriac, H; Yamasaki, J; **Ovari, TA**; Takajo, L
IEEE TRANSACTIONS ON MAGNETICS Volume: 35 Issue: 5 Pages: 3901-3903 Part: 2 Published: SEP 1999
88. Sensor applications of amorphous glass-covered wires
Chiriac, H; Marinescu, CS; **Ovari, TA**; Neagu, M
SENSORS AND ACTUATORS A-PHYSICAL Volume: 76 Issue: 1-3 Pages: 208-212 Published: AUG 30 1999
89. Giant magneto-impedance effect in nanocrystalline ribbons
Chiriac, H; **Ovari, TA**; Marinescu, CS
NANOSTRUCTURED MATERIALS Volume: 12 Issue: 5-8 Pages: 775-778 Part: B Published: JUL 1999
90. Comparative study of the magnetic behavior of Co-rich amorphous fibers and amorphous glass-covered wires
Chiriac, H; **Ovari, TA**; Marinescu, CS; Menard, D; Ciureanu, P
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 196 Pages: 159-161 Published: MAY 1999
91. Temperature dependence of the magneto-impedance effect
Chiriac, H; Marinescu, CS; **Ovari, TA**

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 196 Pages: 162-163 Published: MAY 1999

92. Giant magnetoimpedance effect in melt-spun Co-based amorphous ribbons and wires with induced magnetic anisotropy
Tiberto, P; Vinai, F; Rampado, O; Chiriac, H; **Ovari, TA**
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 196 Pages: 388-390 Published: MAY 1999
93. In situ investigation of the magnetization processes in amorphous glass-covered wires by ferromagnetic resonance measurements
Chiriac, H; Colesniuc, CN; **Ovari, TA**; Ticusan, M
JOURNAL OF APPLIED PHYSICS Volume: 85 Issue: 8 Pages: 5453-5455 Part: 2B Published: APR 15 1999
94. Torsion measurements using inverse Wiedemann effect in glass covered amorphous wires
Chiriac, H; Hristoforou, E; Neagu, M; Barariu, F; Ovari, TA
JOURNAL OF APPLIED PHYSICS Volume: 85 Issue: 8 Pages: 5729-5731 Part: 2B Published: APR 15 1999
95. Role of soft magnetic properties on the sensitivity of the giant magneto-impedance effect
Chiriac, H; **Ovari, TA**; Marinescu, CS; Knobel, M
MATERIALS SCIENCE FORUM Volume: 302-3 Pages: 234-238 Published: 1999
96. Temperature distribution in a joule effect annealed amorphous glass-covered wire
Chiriac, H; Knobel, M; **Ovari, TA**
MATERIALS SCIENCE FORUM Volume: 302-3 Pages: 239-243 Published: 1999
97. Creep-induced anisotropy in amorphous glass-covered wires
Chiriac, H; **Ovari, TA**; Kraus, L; Barariu, F
JOURNAL DE PHYSIQUE IV Volume: 8 Issue: P2 Pages: 195-198 Published: JUN 1998
98. Effect of annealing on the giant magneto-impedance in amorphous CoFeSiB ribbons and wires
Chiriac, H; Vinai, F; **Ovari, TA**; Marinescu, CS; Stantero, A
JOURNAL DE PHYSIQUE IV Volume: 8 Issue: P2 Pages: 199-202 Published: JUN 1998
99. Modeling of domain structure and anisotropy in glass-covered amorphous wires
Menard, D; Frankland, D; Ciureanu, P; Yelon, A; Rouabhi, M; Cochrane, RW; Chiriac, H; **Ovari, TA**
JOURNAL OF APPLIED PHYSICS Volume: 83 Issue: 11 Pages: 6566-6568 Part: 2 Published: JUN 1 1998
100. Giant magneto-impedance effect in nanocrystalline glass-covered wires
Chiriac, H; **Ovari, TA**; Marinescu, CS
JOURNAL OF APPLIED PHYSICS Volume: 83 Issue: 11 Pages: 6584-6586 Part: 2 Published: JUN 1 1998
101. Magnetic hysteresis in glass-covered and water-quenched amorphous wires
Chiriac, H; **Ovari, TA**; Vazquez, M; Hernando, A
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 177 Pages: 205-206 Published: JAN 1998
102. Effect of Mn, Sn, and Cr additions on the magnetic properties of the amorphous glass-covered wires from the Fe-Si-B system
Chiriac, H; Pop, G; **Ovari, TA**; Barariu, F; Neagu, M; Vazquez, M; Zhukov, AP
IEEE TRANSACTIONS ON MAGNETICS Volume: 33 Issue: 5 Pages: 3346-3348 Published: SEP 1997
103. Large gyromagnetic effect in FeSiB amorphous wires
Chiriac, H; Marinescu, CS; **Ovari, TA**
IEEE TRANSACTIONS ON MAGNETICS Volume: 33 Issue: 5 Pages: 3349-3351 Published: SEP 1997
104. Comparative study of the giant magneto-impedance effect in CoFeSiB glass-covered and cold-drawn amorphous wires
Chiriac, H; **Ovari, TA**; Marinescu, CS
IEEE TRANSACTIONS ON MAGNETICS Volume: 33 Issue: 5 Pages: 3352-3354 Published: SEP 1997
105. Amorphous wire delay lines used for magnetic field measurements
Chiriac, H; Hristoforou, E; Neagu, M; Darie, I; **Ovari, TA**
IEEE TRANSACTIONS ON MAGNETICS Volume: 33 Issue: 5 Pages: 4041-4043 Published: SEP 1997
106. Comparative study of the giant magneto-impedance effect in CoFeSiB magnetic amorphous ribbons and wires
Chiriac, H; Vinai, F; **Ovari, TA**; Marinescu, CS; Barariu, F; Tiberto, P
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING Volume: 226 Pages: 646-649 Published: JUN 15 1997
107. Magnetic behavior of nanostructured glass covered metallic wires
Chiriac, H; **Ovari, TA**; Pop, G; Barariu, F
JOURNAL OF APPLIED PHYSICS Volume: 81 Issue: 8 Pages: 5817-5819 Published: APR 15 1997
108. Amorphous glass-covered magnetic wires for sensing applications
Chiriac, H; **Ovari, TA**; Pop, G; Barariu, F
SENSORS AND ACTUATORS A-PHYSICAL Volume: 59 Issue: 1-3 Pages: 243-251 Published: APR 1997
109. Comparative study of the giant magneto-impedance effect in Fe-based nanocrystalline ribbons
Knobel, M; Chiriac, H; Sinnecker, JP; Marinescu, S; **Ovari, TA**; Inoue, A
SENSORS AND ACTUATORS A-PHYSICAL Volume: 59 Issue: 1-3 Pages: 256-260 Published: APR 1997

110. Effect of glass removal on the magnetic behavior of FeSiB glass-covered wires
Chiriac, H; **Ovari, TA**; Pop, G; Barariu, F
IEEE TRANSACTIONS ON MAGNETICS Volume: 33 Issue: 1 Pages: 782-787 Published: JAN 1997
111. Magnetization processes in amorphous FeSiB glass covered wires
Chiriac, H; Pop, G; Barariu, F; **Ovari, TA**; Tomut, M
JOURNAL OF NON-CRYSTALLINE SOLIDS Volume: 207 Pages: 687-691 Part: 2 Published: OCT 1996
112. Magnetic anisotropy in FeSiB amorphous glass-covered wires
Chiriac, H; **Ovari, TA**; Marinescu, SC; Nagacevschi, V
IEEE TRANSACTIONS ON MAGNETICS Volume: 32 Issue: 5 Pages: 4755-4757 Published: SEP 1996
113. Magnetic behavior of negative and nearly zero magnetostrictive glass-covered amorphous wires
Chiriac, H; Pop, G; **Ovari, TA**; Barariu, F
IEEE TRANSACTIONS ON MAGNETICS Volume: 32 Issue: 5 Pages: 4872-4874 Part: 2 Published: SEP 1996
114. Torsion and stress in amorphous positive magnetostrictive wires
Hristoforou, E; Chiriac, H; Neagu, M; Darie, I; **Ovari, TA**
IEEE TRANSACTIONS ON MAGNETICS Volume: 32 Issue: 5 Pages: 4953-4955 Part: 2 Published: SEP 1996
115. Internal stresses in highly magnetostrictive glass-covered amorphous wires
Chiriac, H; **Ovari, TA**; Pop, G; Barariu, F
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 160 Pages: 237-238 Published: JUL 1996
116. Magnetic behavior of glass-covered amorphous wires
Chiriac, H; **Ovari, TA**; Pop, G
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 157 Pages: 227-228 Published: MAY 1996
117. Amorphous glass-covered magnetic wires: Preparation, properties, applications
Chiriac, H; **Ovari, TA**
PROGRESS IN MATERIALS SCIENCE Volume: 40 Issue: 5 Pages: 333-407 Published: 1996
118. Internal-stress distribution in glass-covered amorphous magnetic wires
Chiriac, H; **Ovari, TA**; Pop, G
PHYSICAL REVIEW B Volume: 52 Issue: 14 Pages: 10104-10113 Published: OCT 1 1995