

## ANMM'2011 TECHNICAL PROGRAMME

<b>MONDAY</b> September 5, 2011	
9:00 – 9:30	<b>OPENING SESSION</b>
<b>Plenary Session 1 / Chair: Horia CHIRIAC</b>	
9:30 – 10:30	<b>PL.1</b> <b>IEEE Magnetics Society 2011 Distinguished Lecturer</b> <b>M. FUTAMOTO</b> <i>Chuo University, Tokyo, JAPAN</i> GROWTH-CONTROL AND MICROSTRUCTURE CHARACTERIZATION OF MAGNETIC THIN FILMS, APPLICATION TO HIGH DENSITY PERPENDICULAR MAGNETIC RECORDING MEDIA
10:30 – 11:00	<b>COFFEE BREAK</b>
<b>Plenary Session 2 / Chair: Masaaki FUTAMOTO</b>	
11:00 – 11:40	<b>I.1</b> <b>J. SORT<sup>1</sup>, A. VAREA<sup>2</sup>, L.F. BONAVINA<sup>3</sup>, C. SOUZA<sup>3</sup>, W.J. BOTTA<sup>3</sup>, C. BOLFARINI<sup>3</sup>, C.S. KIMINAMI<sup>3</sup>, S. SURIÑACH<sup>2</sup>, M.D. BARÓ<sup>2</sup>, J. NOGUÉS<sup>4</sup></b> <i><sup>1</sup>Institució Catalana de Recerca i Estudis Avançats and Departament de Física, Universitat Autònoma de Barcelona, Bellaterra, SPAIN</i> <i><sup>2</sup>Departament de Física, Universitat Autònoma de Barcelona, Bellaterra, SPAIN</i> <i><sup>3</sup>Departamento de Engenharia de Materiais, Universidade Federal de Sao Carlos, Sao Carlos, BRAZIL</i> <i><sup>4</sup>Institució Catalana de Recerca i Estudis Avançats (ICREA) and Centre d'Investigació en Nanociència i Nanotecnologia (ICN-CSIC), Campus UAB, Bellaterra, SPAIN</i> MAGNETIC LITHOGRAPHY BASED ON INDENTATION-INDUCED NANOCRYSTALLIZATION OF METALLIC GLASSES
11:40 – 12:20	<b>I.2</b> <b>A. MAKINO</b> <i>Institute for Materials Research, Tohoku University, Sendai, JAPAN</i> NEW HIGH Bs-FeSiBPCu NANOCRYSTALLINE SOFT MAGNETIC ALLOYS CONTRIBUTABLE TO ENERGY-SAVING
12:20 – 13:00	<b>I.3</b> <b>I. ŠKORVÁNEK<sup>1</sup>, J. MARCIN<sup>1</sup>, J. KOVÁČ<sup>1</sup>, B. IDZIKOWSKI<sup>2</sup>, P. ŠVEC<sup>3</sup></b> <i><sup>1</sup>Institute of Experimental Physics, Slovak Academy of Sciences, Kosice, SLOVAKIA</i> <i><sup>2</sup>Institute of Molecular Physics PAS, Poznań, POLAND</i> <i><sup>3</sup>Institute of Physics, Slovak Academy of Sciences, Bratislava, SLOVAKIA</i> AMORPHOUS AND NANOCRYSTALLINE FeCo- AND GdFeCo-BASED ALLOYS WITH IMPROVED APPLICATION-ORIENTED PROPERTIES
13:00 – 13:40	<b>I.4</b> <b>O. ISNARD<sup>1</sup>, I. CHICINAȘ<sup>2</sup>, B. NEAMȚU<sup>2</sup>, O. Geoffroy<sup>3</sup>, V. POP<sup>4</sup>, F. POPA<sup>2</sup></b> <i><sup>1</sup>Institut Néel, CNRS, Université Joseph Fourier, Grenoble, FRANCE</i> <i><sup>2</sup>Materials Sciences and Technology Department, Technical University of Cluj-Napoca, Cluj-Napoca, ROMANIA</i> <i><sup>3</sup>G2ELab, Université Joseph Fourier, CNRS, Grenoble, FRANCE</i> <i><sup>4</sup>Faculty of Physics, Babeș-Bolyai University, Cluj-Napoca, ROMANIA</i> OBTAINING OF Ni-Fe BASED NANOCRYSTALLINE SOFT MAGNETIC MATERIALS BY MECHANICAL MILLING: A STRUCTURAL AND MAGNETIC STUDY

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13:40 – 15:00	<b>LUNCH</b>
<b>Plenary Session 3 / Chair: Nora DEMPSEY</b>	
15:00 – 15:40	<p><b>I.5</b>  <b>M. VÁZQUEZ</b> and <b>L.G. VIVAS</b>  <i>Institute of Materials Science of Madrid, CSIC, Madrid, SPAIN</i>  <b>Co-BASE NANOWIRE ARRAYS: THE ROLE OF MAGNETOCRYSTALLINE ANISOTROPY</b></p>
15:40 – 16:20	<p><b>I.6</b>  <b>A. ROTARU<sup>1,2</sup>, J. LIM<sup>1,3</sup>, D. LENORMAND<sup>1,4</sup>, A. SRIVASTAVA<sup>1,4</sup>, J. VARGAS<sup>1</sup>, J.B. WILEY<sup>1,3</sup>, A. STANCU<sup>5</sup>, and L. SPINU<sup>2,4</sup></b>  <sup>1</sup><i>Advanced Materials Research Institute, University of New Orleans, New Orleans, LA 7014, USA</i>  <sup>2</sup><i>Faculty of Electrical Engineering and Computer Science, Suceava University, Suceava, ROMANIA</i>  <sup>3</sup><i>Department of Chemistry, University of New Orleans, New Orleans, LA 7014, USA</i>  <sup>4</sup><i>Department of Physics, University of New Orleans, New Orleans, LA 7014, USA</i>  <sup>5</sup><i>Faculty of Physics, “Alexandru Ioan Cuza” University, Iași, ROMANIA</i>  <b>STATIC AND DYNAMIC PROPERTIES OF COMPLEX MAGNETIC NANOWIRE ARRAYS WITH TUNED STRENGTH OF INTERACTIONS</b></p>
16:20 – 16:50	<b>COFFEE BREAK</b>
16:50 – 17:30	<p><b>I.7</b>  <b>D. SUSAN-RESIGA<sup>1,2</sup>, V. SOCOLIUC<sup>1</sup>, O. MARINICĂ<sup>3</sup>, L. VÉKÁS<sup>1,3</sup></b>  <sup>1</sup><i>Romanian Academy-Timisoara Branch, CFATR, Lab. MF, Timișoara, ROMANIA</i>  <sup>2</sup><i>West University Timisoara, Faculty of Physics, Timișoara, ROMANIA</i>  <sup>3</sup><i>Politehnica University Timisoara, NCESCF, Timișoara, ROMANIA</i>  <b>HIGH MAGNETIZATION FERROFLUIDS: COMPOSITION, COLLOIDAL STABILITY AND FLOW BEHAVIOR</b></p>
17:30 – 18:10	<p><b>I.8</b>  <b>S. BAGLIO</b>  <i>Microsystems Group &amp; NanoTechLab, Dipartimento di Ingegneria Elettrica Elettronica e Informatica, University of Catania, ITALY</i>  <b>EXPLOITING MAGNETIC MATERIAL PROPERTIES AND NONLINEAR BEHAVIOURS FOR SENSING APPLICATIONS: MAGNETIC MICROWIRES AND MAGNETORHEOLOGIC FLUIDS</b></p>
18:10 – 18:50	<p><b>I.9</b>  <b>P. FREITAS</b>  <i>(INESC MN, Lisbon, PORTUGAL)</i>  <b>TBA</b></p>
19:00 – 20:30	<b>POSTER SESSION &amp; SNACKS &amp; BIERSTUBE</b>

## ANMM'2011 TECHNICAL PROGRAMME

<b>TUESDAY</b> September 6, 2011	
<b>Plenary Session 4 / Chair: Alexandru STANCU</b>	
9:00 – 10:00	<b>PL.2</b> <b>J. LYUBINA</b> <i>Department of Materials, Imperial College London, London, UNITED KINGDOM</i> ADVANCED MATERIALS FOR ENERGY EFFICIENT MAGNETIC COOLING
10:00 – 10:40	<b>I.10</b> <b>M. MARINESCU, B. CUI and J.F. LIU</b> <i>Electron Energy Corporation, Landisville, PA 17538, USA</i> PERMANENT MAGNET NANOFILAKES
10:40 – 11:20	<b>I.11</b> <b>N.M. DEMPSEY<sup>1</sup>, F. DUMAS-BOUCHIAT<sup>1</sup>, Y. ZHANG<sup>1</sup>, G. CIUTA<sup>1</sup>, L.F. ZANINI<sup>1,2</sup> AND D. GIVORD<sup>1</sup></b> <i><sup>1</sup>Institut Néel CNRS / Université Joseph Fourier, Grenoble, FRANCE</i> <i><sup>2</sup>G2Elab, INP de Grenoble, St. Martin d'hères, FRANCE</i> HIGH PERFORMANCE HARD MAGNETIC FILMS: FROM MODEL SYSTEMS TO MICRO-SYSTEM APPLICATIONS
11:20 – 11:50	<b>COFFEE BREAK</b>
11:50 – 12:30	<b>I.12</b> <b>N. NISHIYAMA<sup>1</sup>, K. TAKENAKA<sup>1</sup>, N. SAIDOH<sup>1</sup> and A. INOUE<sup>2</sup></b> <i><sup>1</sup>RIMCOF Tohoku University Laboratory, The Materials Process Technology Center, Sendai, JAPAN</i> <i><sup>2</sup>Institute for Materials Research, Tohoku University, Sendai, JAPAN</i> NANO-PATTERNING OF GLASSY ALLOY THIN FILMS FOR THE APPLICATION OF BIT-PATTERNED-MEDIA
12:30 – 12:50	<b>O.1</b> <b>B. NEGULESCU<sup>1</sup>, D. LACOUR<sup>2</sup>, M. HEHN<sup>2</sup>, A. GERKEN<sup>3</sup>, J. PAUL<sup>3</sup> and C. DURET<sup>4</sup></b> <i><sup>1</sup>LEMA, Université François Rabelais, Tours, FRANCE</i> <i><sup>2</sup>JLL, Université Nancy, Vandoeuvre-les-Nancy, FRANCE</i> <i><sup>3</sup>Sensitec GmbH, Mainz, GERMANY</i> <i><sup>4</sup>NTN-SNR Annecy, FRANCE</i> THE SPIN FLOP EFFECT IN SYNTHETIC ANTIFERROMAGNETS: APPLICATION TO THE ORTHOGONAL PINNING OF MAGNETIC FIELD SENSORS
12:50 – 13:30	<b>I.13</b> <b>M. CHARILAOU<sup>1,2</sup>, K.K. SAHU<sup>2</sup>, A.U. GEHRING<sup>1</sup>, J.F. LÖFFLER<sup>2</sup></b> <i><sup>1</sup>ETH Zurich, Department of Earth Sciences, Earth and Planetary Magnetism, Zurich, SWITZERLAND</i> <i><sup>2</sup>ETH Zurich, Department of Materials, Laboratory of Metal Physics and Technology, Zurich, SWITZERLAND</i> THERMODYNAMIC MAGNETIC PROPERTIES OF MIXED-SPIN Fe-Ti OXIDES
13:30 – 15:00	<b>LUNCH</b>
<b>Plenary Session 5 / Chair: Julia LYUBINA</b>	
15:00 – 15:40	<b>I.14</b> <b>Y. OTANI<sup>1,2</sup>, S. SUGIMOTO<sup>1</sup>, Y. FUKUMA<sup>2</sup>, and S. KASAI<sup>3</sup></b>

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	<p><sup>1</sup><i>Institute for Solid State Physics, University of Tokyo, Kashiwa, Chiba, JAPAN</i>  <sup>2</sup><i>Advanced Science Institute, RIKEN, Saitama, JAPAN</i>  <sup>3</sup><i>National Institute for Materials Science, Tsukuba, JAPAN</i>  <b>COUPLED VORTEX DYNAMICS IN PERMALLOY SUBMICRON DISK PAIRS</b></p>
15:40 – 16:20	<p><b>I.15</b>  <b>G. GAUDIN<sup>1</sup>, I.M. MIRON<sup>1,2</sup>, T. MOORE<sup>1,3</sup>, H. SZAMBOLICS<sup>1</sup>, K. GARELLO<sup>2</sup>, P.J. ZERMATTEN<sup>1</sup>, M.V. COSTACHE<sup>2</sup>, S. AUFFRET<sup>1</sup>, S. BANDIERA<sup>1</sup>, B. RODMACQ<sup>1</sup>, L.D. BUDA-PREJBEANU<sup>1</sup>, A. SCHUHL<sup>1</sup>, S. PIZZINI<sup>3</sup>, J. VOGEL<sup>3</sup>, M. BONFIM<sup>4</sup>, P. GAMBARDELLA<sup>2,5</sup></b>  <sup>1</sup><i>SPINTEC, UMR-8191, CEA/CNRS/UJF/GINP, INAC, Grenoble, FRANCE</i>  <sup>2</sup><i>Centre d'Investigació en Nanociència i Nanotecnologia (ICN-CSIC), UAB Campus, Barcelona, SPAIN</i>  <sup>3</sup><i>Institut Néel, CNRS/UJF, Grenoble, FRANCE</i>  <sup>4</sup><i>Departamento de Engenharia Elétrica, Universidade Federal do Paraná, Curitiba, Paraná, BRAZIL</i>  <sup>5</sup><i>Institució Catalana de Recerca i Estudis Avançats (ICREA), Barcelona, SPAIN</i>  <b>RASHBA SPIN-ORBIT TORQUES IN FERROMAGNETIC THIN FILMS</b></p>
16:20 – 17:00	<p><b>I.16</b>  <b>D. PETIT, E.R. LEWIS, L. O'BRIEN, A.-V. JAUSOVEC, H.T. ZENG, J. SAMPAIO, A. FERNANDEZ-PACHECO, D. READ and R.P. COWBURN</b>  <i>Department of Physics, Cavendish Laboratory, University of Cambridge, Cambridge, UNITED KINGDOM</i>  <b>DYNAMIC BEHAVIOUR OF DOMAIN WALLS IN FERROMAGNETIC NANOSTRIPS</b></p>
17:00 – 17:20	<p><b>O.2</b>  <b>M. TIBU, M. LOSTUN, T.A ÓVÁRI, and H. CHIRIAC</b>  <i>National Institute of Research and Development for Technical Physics, Iași, ROMANIA</i>  <b>INVESTIGATION OF DOMAIN WALL PROPAGATION IN SUB-MICRON GLASS COVERED WIRES BY MAGNETO-OPTICAL KERR EFFECT</b></p>
17:20 – 17:50	<p><b>COFFEE BREAK</b></p>
17:50 – 18:30	<p><b>I.17</b>  <b>E. KANIUSAS<sup>1</sup>, H. PFÜTZNER<sup>1</sup>, S. TRAXLER<sup>1</sup>, M. VAZQUEZ<sup>2</sup> and G. VARONECKAS<sup>3</sup></b>  <sup>1</sup><i>Institute of Electrodynamics, Microwave and Circuit Engineering, Vienna University of Technology, Vienna, AUSTRIA</i>  <sup>2</sup><i>Instituto de Ciencia de Materiales de Madrid, Spanish National Research Council, Madrid, SPAIN</i>  <sup>3</sup><i>Mechatronics Science Institute, Klaipeda University, Klaipeda, LITHUANIA</i>  <b>TECHNICAL AND MEDICAL APPLICATIONS OF MAGNETOSTRICTIVE BILAYER SENSORS</b></p>
18:30 – 19:10	<p><b>I.18</b>  <b>J. KOSEL</b>  <i>King Abdullah University of Science and Technology, Thuwal, SAUDI ARABIA</i>  <b>DEVELOPMENT OF MAGNETOSTRICTIVE MICROSENSORS FOR MICROFLUIDIC SYSTEMS</b></p>
20:00 – 22:30	<p><b>CONFERENCE DINNER</b></p>

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<b>WEDNESDAY</b> September 7, 2011	
<b>Plenary Session 6 / Chair: Jordi SORT</b>	
9:00 – 10:00	<b>PL.3</b> <b>R. COWBURN</b> <i>Department of Physics, Cavendish Laboratory, University of Cambridge, Cambridge</i> <b>UNITED KINGDOM</b> DOMAIN WALLS IN MAGNETIC NANOWIRES
10:00 – 10:40	<b>I.19</b> <b>L. KRAUS</b> <i>Institute of Physics, ASCR, Prague, CZECH REPUBLIC</i> FERROMAGNETIC RESONANCE IN MICRON AND SUBMICRON AMORPHOUS WIRES
10:40 – 11:20	<b>I.20</b> <b>A. STANCU</b> <i>“Alexandru Ioan Cuza” University of Iași, Faculty of Physics, Department of Physics and CARPATH, Iași, ROMANIA</i> MAGNETIC CHARACTERIZATION OF MATERIALS USING FORC TECHNIQUE: QUALITIES AND LIMITS
11:20 – 11:50	<b>COFFEE BREAK</b>
11:50 – 12:30	<b>I.21</b> <b>V. IN, P. LONGHINI, A. KHO, D. LEUNG, J.D. NEFF, AND B.K. MEADOWS</b> <i>SPAWAR Systems Center Pacific, Code 71730, San Diego, CA 92152, USA</i> NONLINEAR CHANNELIZER FOR RF COMMUNICATION
12:30 – 13:10	<b>I.22</b> <b>C.-M. TEODORESCU</b> <i>National Institute of Materials Physics, Bucharest-Magurele, ROMANIA</i> INTERPLAY BETWEEN REACTIVITY AND MAGNETISM AT METAL/SEMICONDUCTOR INTERFACES
13:10 – 14:30	<b>LUNCH</b>
<b>Plenary Session 7 / Chair: Manuel VÁZQUEZ</b>	
14:30 – 15:10	<b>I.23</b> <b>V. POP<sup>1</sup>, O. ISNARD<sup>2</sup> and I. CHICINAS<sup>3</sup></b> <sup>1</sup> <i>Faculty of Physics, Babeş-Bolyai University, Cluj-Napoca, ROMANIA</i> <sup>2</sup> <i>Institut Néel, CNRS, Joseph Fourier University, Grenoble, FRANCE</i> <sup>3</sup> <i>Materials Sciences and Technology Department, Technical University of Cluj-Napoca, Cluj-Napoca, ROMANIA</i> STRUCTURAL AND MAGNETIC BEHAVIOUR OF HARD/SOFT NANOCOMPOSITE MAGNETIC MATERIALS OBTAINED BY MECHANICAL MILLING
15:10 – 15:30	<b>O.3</b> <b>C.E. CIOMAGA<sup>1</sup>, M. AIRIMIOAEI<sup>2</sup>, V. NICA<sup>1</sup>, L.M. HRIB<sup>1</sup>, O.F. CĂLȚUN<sup>1</sup>, A.R. IORDAN<sup>2</sup>, C. GALASSI<sup>3</sup>, L. MITOȘERIU<sup>1</sup> and M.N. PALAMARU<sup>2</sup></b> <sup>1</sup> <i>Faculty of Physics, “Alexandru Ioan Cuza” University, Iași, ROMANIA</i> <sup>2</sup> <i>Faculty of Chemistry, “Alexandru Ioan Cuza” University, Iași, ROMANIA</i> <sup>3</sup> <i>ISTEC-CNR, Faenza, ITALY</i> PREPARATION AND MAGNETOELECTRIC PROPERTIES OF NiFe <sub>2</sub> O <sub>4</sub> -PZT CERAMIC COMPOSITES

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15:30 – 15:50	<p><b>O.4</b>  <b>L.P. CURECHERIU<sup>1</sup>, I.V. CIUCHI<sup>1</sup>, G. APACHITEI<sup>1</sup>, A. NEAGU<sup>1</sup>, M.T. BUSCAGLIA<sup>2</sup>, V. BUSCAGLIA<sup>2</sup>, P. POSTOLACHE<sup>1</sup>, L. MITOSERIU<sup>1</sup></b>  <sup>1</sup><i>Department of Physics, “Alexandru Ioan Cuza” University, Iași, ROMANIA</i>  <sup>2</sup><i>Institute for Energetics &amp; Interphases - CNR, Genoa, ITALY</i>  <b>MAGNETIC AND DIELECTRIC PROPERTIES OF Ba<sub>12</sub>Fe<sub>28</sub>Ti<sub>15</sub>O<sub>84</sub></b>  <b>NATURALLY SELF-ASSEMBLED LAYERED CERAMICS</b></p>
15:50 – 16:10	<p><b>O.5</b>  <b>H. CHIRIAC, D.-D. HEREA, N. LUPU, M. LOSTUN</b>  <i>National Institute of Research and Development for Technical Physics, Iași, ROMANIA</i>  <b>HEATING EFFICIENCY EVALUATION OF LOW-Tc GLASSY Fe-Cr-Nb-B</b>  <b>MAGNETIC MICROPARTICLES FOR MAGNETIC HYPERTHERMIA</b></p>
16:10 – 16:30	<b>CLOSING REMARKS</b>
16:30 – 17:00	<b>COFFEE BREAK</b>
17:00 – 19:00	<b>LABTOUR</b>
20:00 – 22:00	<b>DINNER</b>

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<b>POSTER SESSION</b>	
<b>P.1</b>	<p><b>R. SABOL<sup>1</sup>, R. VARGA<sup>2</sup>, J. BLAZEK<sup>1</sup>, J. HUDAK<sup>1</sup>, D. PRASLICKA<sup>1</sup>, P. VOJTANIK<sup>2</sup>, G. BADINI<sup>3</sup>, M. VAZQUEZ<sup>3</sup></b>  <sup>1</sup><i>Faculty of Aeronautics, TU Kosice, Košice, SLOVAKIA</i>  <sup>2</sup><i>Institute of Physics, Faculty of Sciences, UPJŠ, Košice, SLOVAKIA</i>  <sup>3</sup><i>Instituto de Ciencia de Materiales de Madrid, CSIC, Madrid, SPAIN</i></p> <p>STRESS DEPENDENCE OF THE SWITCHING FIELD IN GLASS-COATED MICROWIRES</p>
<b>P.2</b>	<p><b>T.-A. ÓVÁRI, S. CORODEANU and H. CHIRIAC</b>  <i>National Institute of Research and Development for Technical Physics, Iași, ROMANIA</i></p> <p>MAGNETOELASTIC AND MAGNETOSTATIC ANISOTROPY IN RAPIDLY SOLIDIFIED AMORPHOUS NANOWIRES</p>
<b>P.3</b>	<p><b>H. CHIRIAC, S. CORODEANU, G. ABABEL, G. STOIAN and T.-A. ÓVÁRI</b>  <i>National Institute of Research and Development for Technical Physics, Iași, ROMANIA</i></p> <p>GIANT MAGNETO-IMPEDANCE EFFECT IN RAPIDLY SOLIDIFIED NANOWIRES</p>
<b>P.4</b>	<p><b>I. ASTEFANOAEI, I. DUMITRU, A. STANCU</b>  <i>Department of Physics, Faculty of Physics, "Alexandru Ioan Cuza" University, Iași, ROMANIA</i></p> <p>THE TEMPERATURE FIELD IN THE PULSED LASER HEATED MAGNETIC NANOWIRES</p>
<b>P.5</b>	<p><b>M. LOSTUN, H. CHIRIAC, N. LUPU, and T.-A. ÓVÁRI</b>  <i>National Institute of Research and Development for Technical Physics, Iași, ROMANIA</i></p> <p>MAGNETOSTATIC INTERACTIONS IN ARRAYS OF ELECTRODEPOSITED NANOWIRES INVESTIGATED BY MAGNETO-OPTICAL KERR EFFECT</p>
<b>P.6</b>	<p><b>A. ATITOAIIE, R. TANASA, C. ENACHESCU, A. STANCU</b>  <i>Faculty of Physics and CARPATH Center, "Alexandru Ioan Cuza" University, Iași, ROMANIA</i></p> <p>SIZE EFFECTS IN THERMAL TRANSITION OF SPIN CROSSOVER NANOPARTICLES STUDIED BY AN ISING-LIKE MODEL</p>
<b>P.7</b>	<p><b>A. LUNGU and A. STANCU</b>  <i>Faculty of Physics, "Alexandru Ioan Cuza" University, Iași, ROMANIA</i></p> <p>LLG STUDY FOR THE TRANSVERSE SUSCEPTIBILITY DETERMINATION IN THE FERROMAGNETICS PARTICLES SYSTEM</p>
<b>P.8</b>	<p><b>I. BODALE, C. DOBROTĂ and A. STANCU</b>  <i>"Alexandru Ioan Cuza" University, Department of Physics, Iași, ROMANIA</i></p> <p>IDENTIFICATION TECHNIQUE FOR PREISACH-TYPE MODELS APPLIED TO STRONGLY INTERACTING SYSTEMS</p>
<b>P.9</b>	<p><b>C. ROTĂRESCU, A. STANCU</b>  <i>"Alexandru Ioan Cuza" University, Faculty of Physics, Department of Solid State and Theoretical Physics, Iași, ROMANIA</i></p> <p>A STUDY OF THE FLUCTUATION FIELD USING AN ISING-PREISACH MODEL</p>
<b>P.10</b>	<p><b>C. PINZARU, L. STOLERIU, O. RUSU and A. STANCU</b>  <i>Departament of Physics, "Alexandru Ioan Cuza" University, Iași, ROMANIA</i></p> <p>MICROMAGNETIC INVESTIGATION OF SWITCHING BEHAVIOR OF SYNTHETIC ANTIFERROMAGNETIC DOTS</p>
<b>P.11</b>	<p><b>C. DOBROTĂ, A. STANCU</b>  <i>"Alexandru Ioan Cuza" University, Faculty of Physics and CARPATH Center, Iași, ROMANIA</i></p> <p>NONPARAMETRIC IDENTIFICATION PROCEDURE FOR PREISACH MODEL FOR PATTERNED MEDIA (PM2)</p>
<b>P.12</b>	<p><b>I. URSACHI<sup>1</sup>, P. POSTOLACHE<sup>1</sup>, A. VASILE<sup>2</sup>, H. CHIRIAC<sup>3</sup> and A. STANCU<sup>1</sup></b>  <sup>1</sup><i>Department of Physics and CARPATH Center, "Alexandru Ioan Cuza" University, Iași,</i></p>

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	<p>ROMANIA  <sup>2</sup>Department of Chemistry, "Alexandru Ioan Cuza" University, Iași, ROMANIA  <sup>3</sup>National Institute of Research and Development for Technical Physics, Iași, ROMANIA            Fe<sub>3</sub>O<sub>4</sub> CORE - MCM-41 SHELL NANOPARTICLES: SYNTHESIS AND CHARACTERIZATION</p>
<b>P.13</b>	<p><b>D.-D. HEREA, N. LUPU, H. CHIRIAC</b>  <i>National Institute of Research and Development for Technical Physics, Iași, ROMANIA</i>            SYNTHESIS, FUNCTIONALIZATION AND CHARACTERIZATION OF OCTAHEDRAL IRON OXIDE NANOPARTICLES VIA A HYDROTHERMAL ROUTE</p>
<b>P.14</b>	<p><b>M. GABURICI, H. CHIRIAC, N. LUPU</b>  <i>National Institute of Research and Development for Technical Physics, Iași, ROMANIA</i>            SYNTHESIS OF MAGNETITE NANOPARTICLES UNDER A MICROWAVE FIELD USING ORGANIC FERROUS SALTS</p>
<b>P.15</b>	<p><b>M. GABURICI, H. CHIRIAC, N. LUPU</b>  <i>National Institute of Research and Development for Technical Physics, Iași, ROMANIA</i>            SOLID-PHASE EXTRACTION OF SOME AZO-DYES FROM ENVIRONMENTAL WATER SAMPLES USING ANIONIC MAGNETIC CLAYS</p>
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