

**The 50<sup>th</sup> anniversary of Computers, Informatics and  
Microelectronics Faculty  
&  
Electronics and Telecommunications Faculty**

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**Academy of Science of Moldova  
&  
Technical University of Moldova**

**The 9<sup>th</sup> International Conference  
“*Microelectronics and  
Computer Science*”  
&  
The 6<sup>th</sup> Conference  
of *Physicists of Moldova***

# **Conference Program**

**October 19-21, 2017, Chisinau,  
Republic of Moldova**

**TUM & ASM & MPS  
2017**

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*Union Scientific  
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*The 9<sup>th</sup> International Conference on Microelectronics and Computer Science &  
The 6<sup>th</sup> Conference of Physicists of Moldova,  
Chişinău, Republic of Moldova, October 19-21, 2017*

**Organizing Committees of the 9<sup>th</sup> International Conference  
on Microelectronics and Computer Science & the 6<sup>th</sup>  
Conference of Physicists of Moldova (ICMCS-2017 & CPM-  
2017)**

Address:

168, Stefan cel Mare av., MD-2004, Chisinau,  
Republic of Moldova

Tel.: (037322)-509905, 509915

Fax: (037322)-509905

E-mail: [icmcs@fcim.utm.md](mailto:icmcs@fcim.utm.md)

Web: <http://www.icmcs.utm.md>

The program contains the timetable of the Plenary Sessions and Conference Sessions of the **9<sup>th</sup> International Conference on Microelectronics and Computer Science & the 6<sup>th</sup> Conference of Physicists of Moldova**, Chisinau, Moldova, October 19-21, 2017.

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The Organizing Committee of the **9<sup>th</sup> International Conference on Microelectronics and Computer Science & the 6<sup>th</sup> Conference of Physicists of Moldova** highly appreciates the financial and technical support provided by the following agencies and enterprises:

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Chişinău, Republic of Moldova, October 19-21, 2017*

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**Academician Ion Bostan, ex-Rector of the Technical  
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**Academician Ion Tighineanu, vice- President of the Academy  
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**Ioan Marius Piso, President of the ROSA, Romania**

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## **ICMCS-2017 and CPM-2017 Conference Topics**

<b>Sec.</b>	<b>ROOM</b>	<b>Topics:</b>	<b>Page</b>
<b>1.</b>	<b>Tekwill</b>	<b>BSUN Executive Board Meeting</b>	<b>14</b>
<b>2.</b>	<b>3-3</b>	<b>BSUN Workshop</b>	<b>15</b>
<b>3.</b>	<b>3-414</b>	<b>Nanoscience and nanotechnology</b>	<b>17</b>
<b>4.</b>	<b>3-214</b>	<b>Micro-opto-electronics</b>	<b>19</b>
<b>5.</b>	<b>3-701</b>	<b>Communication and electronic systems</b>	<b>22</b>
<b>6.</b>	<b>3-215</b>	<b>Computer Sciences and Networks &amp; Cyber Security</b>	<b>23</b>
<b>7.</b>	<b>3-709</b>	<b>Biomedical Engineering</b>	<b>28</b>
<b>8.</b>	<b>3-609</b>	<b>New technologies for university education</b>	<b>29</b>
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<b>11.</b>	<b>3-201</b>	<b>Fizica Stării Condensate și Ingineria Materialelor</b>	<b>32</b>
<b>12.</b>	<b>3-201</b>	<b>Fizica Teoretică și Computațională</b>	<b>33</b>
<b>13.</b>	<b>3-203</b>	<b>Tehnologiile Fizice și Ingineria Dispozitivelor</b>	<b>34</b>
<b>14.</b>	<b>3-Hall</b>	<b>Posters Presentation</b>	<b>35</b>

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## **9<sup>th</sup> International Conference on Microelectronics and Computer Science & the 6<sup>th</sup> Conference of Physicians of Moldova**

<b>October 18</b>	<p><b>9.00 - 20.00</b> Registration of participants (<b>ROOM: 3-208</b>)*</p>		
<b>October 19</b>	<p><b>8.30 – 10.00</b> Registration of participants** <b>10.00 – 13.00</b> Opening and Plenary Session** (<b>TekWill</b>)</p>	<p><b>13.00 – 14.00</b> <b>Lunch</b></p>	<p><b>14.00 – 17.45</b> Plenary Session &amp; Oral sessions</p> <p><b>18.00-21.00</b> Banquet* (<b>Restaurant</b>)</p>
<b>October 20</b>	<p><b>9.30 – 13.00</b> Oral sessions*,</p> <p><b>10.00 – 12.30</b> Posters, 3-Hall</p>	<p><b>13.00 – 14.00</b> <b>Lunch</b></p>	<p>(<b>ROOM: 3-3</b>)*</p> <p><b>14.00 – 16.00</b> Oral sessions</p> <p><b>16.30 – 17.30</b> Close of Conference (<b>ROOM: 3-3</b>)*</p>
<b>October 21</b>	<p><b>10.00 – 17.00</b> Individual Cultural Program</p>		

\* str. Studenţilor, 9/7, Faculty of Computer Science,  
Informatics and Microelectronics

\*\* Studenţilor, 9/11, TekWill ICT Excellence Center

**SITE of the Conference**

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The **ICMCS-2017** conference will be held on October 19-21, 2017 at the Campus of Technical University of Moldova Faculty of Computer Science, Informatics and Microelectronics, 9/7, Studentilor street, Chisinau, Republic of Moldova.

Your way to the conference hall is either by trolley-bus Nr. 10, 11 or minibuses Nr. 112, 119, 140, 162, 186.

**The conference will open at 10.00 19<sup>th</sup> of October, 2017.**

**Address:**

**TekWill ICT Excellence Center, 9/11, Studentilor street, Chisinau, Republic of Moldova.**

## **Language**

The official language of the Conference is **English, Romanian or Russian.**

Presentation should keep not more then 15 min.

## **Available equipment**

The conference rooms will contain the following equipment:

- Screen
- Video projectors
- PC

## CONFERENCE PROGRAMME

<b><u>19 October 2017</u></b>	
<b>8<sup>30</sup>-10<sup>00</sup></b>	<b>Participant Registration (TekWill ICT EC)</b>
<b>10<sup>00</sup>-10<sup>10</sup></b>	<b>Conference Opening (TekWill ICT EC) Prof. Dr. Viorel BOSTAN – <i>Rector of the Technical University of Moldova</i></b>
<b><u>Welcome Speeches</u> (TekWill ICT EC)</b>	
<b>10<sup>10</sup>-10<sup>30</sup></b>	<b>Monica BABUC - <i>Minister of Education, Culture and Research</i></b>
	<b>Octavian CALMÎC - <i>Minister of Economy and Infrastructure</i></b>
	<b>Academician Ion BOSTAN - <i>ex-Rector of the Technical University of Moldova</i></b>
	<b>Prof. Dr. Eden MAMUT - <i>BSUN Secretary General</i></b>
	<b>Academician Ion TIGHINEANU – <i>Vice President of the Academy of Sciences of Moldova</i></b>
<b>PLENARY SESSION (TekWill ICT EC)</b>	
<b>Co-chairs:</b>	<b><i>I. Tighineanu L. Culiuc</i></b>
<b>10<sup>30</sup>-11<sup>00</sup></b>	<b>Keynote speech – <i>Dr. Angeles RODRIGUEZ – PENA, Former President of COST Committee of Senior Officials (TBC)</i></b>
<b>11<sup>00</sup> – 11<sup>30</sup> – Coffee Break</b>	

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<b>Co-chairs:</b>	<i>L. Culiuc V. Tronciu</i>
<b>11<sup>30</sup>-13<sup>00</sup></b>	<i>Competition in Modern Electronics: GaN against Si Acad. Ion TIGHINEANU</i>
	<i>Sensors Nano-Technology Prof. Oleg LUPAN</i>
	<i>From Faculty of Electrophysics to Faculty of Computers, Informatics and Microelectronics Ion BALMUŞ, Victor ŞONTEA</i>
<b>13<sup>00</sup>-14<sup>00</sup></b>	<b>LUNCH</b>

<b>BSUN Executive Board Meeting</b> <b>Technical University of Moldova, Chisinau, Moldova</b> <b>October 19<sup>th</sup> 2017, Tekwill, University Campus</b>	
<b>11:30</b>	<b>BSUN Executive Board - Opening session:</b> <ul style="list-style-type: none"> <li>• <i>Prof. Dr. Viorel BOSTAN, Rector of Technical University of Moldova</i></li> <li>• <i>Prof. Dr. Giga ZEDANIA, Rector of Ilia State University</i></li> <li>• <i>Prof. Dr. Vladimir BUMBASIREVIC, Rector of the University of Belgrade</i></li> <li>• <i>Prof. Dr. Pericles MITKAS, Rector of Aristotle University of Thessaloniki</i></li> </ul>
<b>12:00</b>	<b>State of the art of the BSUN activities:</b> <ul style="list-style-type: none"> <li>• <i>Prof. Dr. Eden MAMUT, BSUN Secretary General</i></li> <li>• <i>Open Discussion</i></li> </ul>
<b>13:00</b>	<b>Lunch</b>
<b>14:00</b>	<b>Defining the BSUN strategic priorities:</b> <ul style="list-style-type: none"> <li>• <i>Cooperation on Joint Education Programmes</i></li> <li>• <i>Internationalisation of the BSUN member Universities</i></li> <li>• <i>Development and operation of large Education and Scientific Research Infrastructures</i></li> </ul>
<b>15:30</b>	<b>Coffee break</b>
<b>16:00</b>	<b>Defining the BSUN strategic priorities:</b> <ul style="list-style-type: none"> <li>• <i>Joint activities on Frontier Research</i></li> <li>• <i>Models for university - industry cooperation</i></li> <li>• <i>Best practices on University Management</i></li> </ul>
<b>17:30</b>	<b>Closure</b>

<p><b>BSUN Workshop on:</b>  <b>“Interuniversity Cooperative Activities on Satellite Data                  Procession and Space Technologies”</b>  <b>Technical University of Moldova, Chisinau, Moldova</b>  <b>October 20<sup>th</sup> 2017, bloc studii nr. 3, aula 3-3</b></p>	
<b>10:00</b>	<p><b>Opening session:</b></p> <ul style="list-style-type: none"> <li>• <i>Prof. Dr. Viorel BOSTAN, Rector of Technical University of Moldova</i></li> <li>• <i>Dna Monica BABUC, Ministru al Educației, Culturii și Cercetării</i></li> <li>• <i>Prof. Dr. Vorelia Moldovan BĂTRÎNAC, Consilier principal de stat al Prim-ministrului pe politici societale</i></li> <li>• <i>Dr. Razvan MATEESCU, COSMOMAR Centre, Constanta, Romania</i></li> <li>• <i>Prof. Dr. Alim Rusten ASLAN, Istanbul Technical University</i></li> </ul>
<b>11:00</b>	<p><b>Keynote speech - Dr. Alain GACHET, President of Radar Technologies International, France (TBC)</b></p>
<b>11:20</b>	<p><b>Presentation of the World Data Center and current projects in the field on data processing and space technologies at Kiev Politechnic Institute</b>  <i>Acad. Michail ZGUROVSKI, Rector of NTUU “Igor Sikorsky Polytechnic Institute”</i></p>
<b>11:35</b>	<p><b>Presentation of the satellite tracking facilities at Technical University of Moldova</b>  <i>Acad. Ion BOSTAN, Director CNTS, Technical University of Moldova</i></p>

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<b>12:00</b>	<b><i>Visit of the satellite tracking facilities at Technical University of Moldova</i></b> <i>Prof. Nicolae SECRIERU, Vice director CNTS, Technical University of Moldova</i>
<b>13:00</b>	<b>Lunch</b>
<b>14:00</b>	<b><i>Presentations:</i></b> <ul style="list-style-type: none"> <li>• <i>Prof. Alim Rusten ASLAN - Presentation of the activities on space technologies at Istanbul Technical University of Turkey</i></li> <li>• <i>Dr. Razvan MATEESCU - Presentation of the COSMOMAR – Constanța Space Technologies Centre</i></li> <li>• <i>Dr. Alexandru Pandele - Presentation of ISS (ROSA) "SBAS use opportunities for maritime and river navigation".</i></li> </ul>
<b>15:30</b>	<b>Coffee break</b>
<b>16:00</b>	<b><i>Open session for proposals on cooperative activities</i></b>



<b><u>Section: Nanoscience and nanotechnology</u></b>	
<b><u>19.10.2017, 14.00 – 15.30, ROOM: 3-414</u></b>	
<b>Co-chairs:</b>	<i>O. Lupan</i> <i>V. Ursaki</i>
<b>1.</b>	<b>Pulsed Electroplating of Metal Nanoparticles form DODUCO Electrolytes</b> <i>Eduard MONAICO, Oana BRINCOVEANU, Raluca MESTERCA, Veaceslav URSAKI, Mariana PRODANA, Marius ENACHESCU, Ion TIGINYANU</i>
<b>2.</b>	<b>Gas sensors based on optical fiber coated with nanocrystalline TiO<sub>2</sub> and nanofibrous ZnO</b> <i>Lidia GHIMPUR, Irina PLESCO, Veaceslav URSAKI, Ion TIGINYANU, Mauro ZARRELLI, Aldobeneddetto ZOTTI, Anna BORRIELLO</i>
<b>3.</b>	<b>Hydrogen detection by individual Pd-modified ZnO nanowire</b> <i>Oleg LUPAN, Thierry PAUपोर्टÉ, Vasile POSTICA, Bruno VIANA, Rainer ADELUNG, Lee CHOW, Ion TIGINYANU</i>
<b>4.</b>	<b>Pd-doped ZnO nanostructured films for multifunctional applications</b> <i>Vasile POSTICA, Mathias HOPPE, Rainer ADELUNG, Thierry PAUपोर्टÉ, Nicolai ABABII, Viorel TROFIM, Victor SONTEA, Oleg LUPAN</i>
<b>5.</b>	<b>Influence of TiO<sub>2</sub> Ultra-Thin Films on Gas Sensing Properties of CuO:Zn</b> <i>Nicolai ABABII, Tim REIMER, Vasile POSTICA, Mathias HOPPE, Steffen CHEMNITZ, Victor SONTEA, Wolfgang BENECKE, Rainer ADELUNG, Oleg LUPAN</i>

6.	<b>The quantum dynamics of a nanomechanical resonator coupled to two quantum dots</b> <i>Victor CEBAN, Mihai MACOVEI</i>
7.	<b>Fabrication of Porous Nanostructures by Design</b> <i>Eduard MONAICO, Elena MONAICO, Veaceslav URSAKI and Ion TIGINYANU</i>
8.	<b>Sinteza și depunerea electroforetică a nanocompozitului CdSe/ZnS/PVP</b> <i>Alexandra MÎRZAC, Tatiana GUȚUL, Evghenii GUȚUL</i>
<b><u>15.30 – 16.00</u></b>	<b>Coffee Break</b>

**Section: Nanoscience and nanotechnology**

**19.10.2017, 16.00 – 17.45, ROOM: 3-414**

Co-chairs:	<i>O. Lupan</i> <i>V. Ursaki</i>
1.	<b>Термоэлектрические свойства нанонитей теллурида висмута, изготовленных усовершенствованным методом Улитовского-Тейлора</b> <i>Альбина НИКОЛАЕВА, Леонид КОНОПКО, Драгош МЕГЛЕЙ, Светлана АЛЕКСЕЕВА</i>
2.	<b>Influence of Metal Deposition on Electrochemical Impedance Spectra of Porous GaP and GaN Semiconductors</b> <i>Liana ANICAI, Florentina GOLGOVICI, Eduard MONAICO, Veaceslav URSAKI Mariana PRODANA, Marius ENACHESCU, Ion TIGINYANU</i>
3.	<b>Mechanisms of Energy Loss of Fast Electrons (1-100 keV) in Semiconductors and Dielectrics and Their Impact on Efficiency of Cathodoluminophores</b> <i>Dmitry OZOL</i>
4.	<b>On a Possible Self-Organization in a System of ZnO Colloidal Quantum Dots</b> <i>I.I. Geru, G.F. Volodina, S.D. Tiron</i>

<b>5.</b>	<p><b>Свойства Плёночных Монокристаллов в Магнитном Поле</b>  <i>Иван ПОПОВ, Евгений МОЛОШНИК, Геннадий РАСТЕГАЕВ</i></p>
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<p><b><u>Section: Micro-opto-electronics</u></b></p> <p><b><u>19.10.2017, 14.00 – 15.30, ROOM: 3-214</u></b></p>	
<b>Co-chairs:</b>	<p><i>V. Tronciu</i>  <i>S. Rusu</i></p>
<b>1.</b>	<p><b>Microwire measurement device</b>                  Valerian DOROGAN, Eugeniu MUNTEANU, Sergiu ZAPOROJAN, Sergiu TINCOVAN, Vitalie SECRIERU, Dumitru GORGAN</p>
<b>2.</b>	<p><b>Термоэлектрическая эффективность полупроводниковых нитей <math>\text{Bi}_{1-x}\text{Sb}_x</math></b>  <i>Иван ПОПОВ, Павел БОДЮЛ, Евгений МОЛОШНИК, Георгий ПАРА, Евгений ИСТРАТИЙ</i></p>
<b>3.</b>	<p><b>Quantum Interference and Surface States Effects in Topological Insulator <math>\text{Bi}_{0.83}\text{Sb}_{0.17}</math> Nanowires</b>  <i>Leonid KONOPKO, Albina NIKOLAEVA, Tito HUBER</i></p>
<b>4.</b>	<p><b>Features of luminescence in semiconductor quantum wires in external electric and magnetic fields</b>  <i>Elerlange SINYAVSKY, Nina KOSTYUKEVICH</i></p>
<b>5.</b>	<p><b>Influence of thickness and polarization on diffraction efficiency of direct patterned diffraction gratings in carbazole-based azopolymer films</b>  <i>Constantin LOSMANSCHII, Alexei MESHALKIN, Elena ACHIMOVA, Vladimir ABASHKIN, Alexandr PRISACAR, Cazac VERONICA, Serghei POGREBNOI, Fliur MACAEV</i></p>
<b>6.</b>	<p><b>Sincronizarea laserelor semiconductoare cu mediu</b></p>

	<b>activ puncte cuantice</b> <i>Tatiana OLOINIC, Constantin PÎRȚAC, Spiridon RUSU, Vasile TRONCIU</i>
7.	<b>Fiber Optic Speckle Interferometry for Intrusion Monitoring Systems</b> <i>I. CULEAC, V. BORSCIOV, V. VERLAN, I. COJOCARU, M. IOVU, V. CIORNEA, A. BUZDUGAN</i>
8.	<b>The self-mixing interferometer setup modeled by optical soft</b> <i>Elena ACHIMOVA</i>
9.	<b>Optical fibers and dispersion in optical fibers Types of dispersion</b> <i>Pavel MOROZAN, Serafima SOROCHIN, Arina LACHI, Lilia SAVA</i>
10.	<b>Possibilities to Improve the Thermoelectric Properties of n-type Organic Crystals</b> <i>Anatolie CASIAN, Ion BALMUȘ, Ionel SANDULEAC</i>
11.	<b>Metal-Insulator Transition of Peierls Type in <math>\text{TTT}_2\text{I}_3</math> Crystals in 3D Approximation</b> <i>Silvia ANDRONIC, Ion BALMUȘ, Anatolie CASIAN</i>
<b><u>15.30 – 16.00</u></b>	<b>Coffee Break</b>

<b><u>Section: Micro-opto-electronics</u></b>	
<b><u>19.10.2017, 16.00 – 17.45, ROOM: 3-214</u></b>	
<b>Co-chairs:</b>	<i>V. Tronciu</i> <i>S. Rusu</i>
1.	<b>Нелинейное пропускание тонкой полупроводниковой пленкой двух ультракоротких импульсов лазерного излучения в экситонной области спектра и в области экситон – биэкситонной конверсии</b>

	<i>A.B. КОРОВАЙ, А.Г. МАНГИР, П.И. ХАДЖИ</i>
<b>2.</b>	<b>Radiative Transitions in Sm<sup>2+</sup> Doped ZnAl<sub>2</sub>Se<sub>4</sub> and KCl Crystals</b> <i>Andrew TIRON, Victor ZALAMAI, Emil RUSU, Nicolae SYRBU, Nicolae BEJAN</i>
<b>3.</b>	<b>Resonance Raman Scattering and Excitons Optical Orientation in CuGaSe<sub>2</sub> Crystals</b> <i>Victor ZALAMAI, Nicolae SYRBU, Andrew TIRON, Valerian DOROGAN</i>
<b>4.</b>	<b>Теория ангармонических Болховских осцилляций в массиве световодов</b> <i>Olesya KOROVAI, Pyotr KHADZHI</i>
<b>5.</b>	<b>Динамика Экситон-Диполяритонов в Режиме Параметрического Осциллятора</b> <i>Петр ХАДЖИ, Ольга ВАСИЛЬЕВА, Виталий ВАСИЛЬЕВ</i>
<b>6.</b>	<b>Detection in the contacts with bismuth-antimony alloy: influence of the free electrons concentration on the current responsivity</b> <i>Iacov KERNER</i>
<b>7.</b>	<b>Synthesis and luminescent properties of ligand-Europium(III) Coordination Compounds</b> <i>V. I. VERLAN, O. T. BORDIAN, M. S. IOVU, I. P. CULEAC, V. E. ZUBAREVA, L.A. MALAHOV</i>
<b>8.</b>	<b>GaP: Long-Term Evolution of Properties and New Prospects for Optoelectronics</b> <i>Sergei L. PYSHKIN and John M. BALLATO</i>

<b><u>Section: Communication and electronic systems</u></b>	
<b><u>19.10.2017, 14.00 – 15.30, ROOM: 3-701</u></b>	
<b>Co-chairs:</b>	<i>N. Secrieru</i> <i>I. Avram</i>
<b>1.</b>	<b>Dezvoltarea Tehnologiilor Satelitare în Cadrul Universităţii Tehnice a Moldovei</b> <i>Ion BOSTAN, Viorel BOSTAN, Nicolae SECRIERU, Sergiu CANDRAMAN, Andrei MARGARINT</i>
<b>2.</b>	<b>TUMnanoSat family for diverse educational space mission</b> <i>Nicolae SECRIERU, Nicolae LEVINETŢ, Sergiu CANDRAMAN, Ilco VALENTIN, Adrian GIRSCAN, Andrei MARGARINT</i>
<b>3.</b>	<b>Nanosatellite TUMnanoSat II for tracking and measure of the orbital parameters and decline</b> <i>Nicolae SECRIERU, Nicolae LEVINETŢ, Vladimir MELNIC, Sergiu CANDRAMAN, Ilco VALENTIN, Adrian GIRSCAN, Andrei MARGARINT</i>
<b>4.</b>	<b>Remote control and monitoring of irrigation process operation and control system architecture</b> <i>Nicolae SECRIERU, Nicolae LEVINETŢ, Sergiu CANDRAMAN, Ilco VALENTIN, Adrian GIRSCAN, Andrei MARGARINT</i>
<b>5.</b>	<b>Particularităţile proiectării reţelei de televiziune digitală terestră DVBT-2 în Republica Moldova</b> <i>Cristina BELENIUC, Tatiana URSACHI, Ion AVRAM</i>
<b>6.</b>	<b>SBAS use Opportunities for Maritime and River Navigation</b> <i>Alexandru C. PANDELE, Antonia N. CROITORU, Costel CHERCIU</i>
<b><u>15.30 – 16.00</u></b>	<b>Coffee Break</b>

<b><u>Section: Communication and electronic systems</u></b>	
<b><u>19.10.2017, 16.00 – 17.45, ROOM: 3-701</u></b>	
<b>Co-chairs:</b>	<i>N. Secrieru</i> <i>I. Avram</i>
<b>1.</b>	<b>Metodologia detrmnării nivelului de radiație emis de echipamentele radio. SAR (SAR - Specific Absorbtion Rate)</b> <i>Serafima SOROCHIN, Arina LACHI, Pavel MOROZAN, Lilia SAVA</i>
<b>2.</b>	<b>Selectarea modelului de calcul și proiectarea rețelei DVBT-2 în Republica Moldova</b> <i>Mihail IACOB, Iurie DEMCIUC, Ion AVRAM</i>
<b>3.</b>	<b>Metodologia determinării nivelului radiației emis de telefoanele mobile</b> <i>Serafima SOROCHIN, Pavel MOROZAN, Arina LACHI, Lilia SAVA</i>
<b>4.</b>	<b>Trecerea Republicii Moldova la televiziunea digitală terestră – un imperativ al timpului</b> <i>Mihail IACOB, Iurie DEMCIUC, Cristina BELENIUC, Ion AVRAM</i>

<b><u>Section: Computer Sciences and Networks &amp; Cyber</u></b>	
<b><u>Security</u></b>	
<b><u>19.10.2017, 14.00 – 15.30, ROOM: 3-215</u></b>	
<b>Co-chairs:</b>	<i>E. Guțuleac</i> <i>N. Grozavu</i>
<b>1.</b>	<b>Modelarea Sistemelor Orientate pe Servicii prin RPS Reconfigurabile cu Trăsături Dinamice</b> <i>Emilian GUȚULEAC, Sergiu ZAPOROJAN, Ion GÎRLEANU, Alexei SCLIFOS, Inga IAVORSCHI</i>

2.	<b>Evaluarea Vulnerabilității la Atac a Rețelelor de Calculatoare prin GSPN Credibil Agregate</b> <i>Emilian GUȚULEAC, Sergiu ZAPOROJAN, Ion GÎRLEANU, Alexei SCLIFOS, Inga IAVORSCHI</i>
3.	<b>Opinion mining based on unsupervised machine learning</b> <i>Nistor GROZAVU</i>
4.	<b>Uncertainty and Time in Modern Artificial Intelligence</b> <i>Boldur-Eugen BĂRBAT, Florin Gheorghe FILIP</i>
5.	<b>Cybernetic Modelling. Proof-of-Concept Example</b> <i>Boldur E. BĂRBAT, Florin G. FILIP</i>
6.	<b>Text-to-Speech Systems for Romanian Language</b> <i>Gavril TODERAN, Ovidiu BUZA, András BALOGH</i>
7.	<b>Metodă de Identificare a Modelelor Obiectului de Reglare de Ordinul Unu și Doi după Răspunsul Experimental al Procesului</b> <i>Bartolomeu IZVOREANU, Mihail POTLOG, Irina COJUHARI, Ion FIODOROV, Dumitru MORARU</i>
8.	<b>Analiza Performanțelor Sistemului Automat cu Modele de Obiecte Aproximate după Răspunsul Experimental al Procesului</b> <i>Bartolomeu IZVOREANU, Mihail POTLOG, Irina COJUHARI, Ion FIODOROV, Dumitru MORARU</i>
9.	<b>Dirijarea optimală a proceselor ondulatorii prin aplicarea principiului maxim Pontreaghin</b> <i>Gheorghe CEBAN</i>
10.	<b>Marcarea sentimentelor în text: emoțiile autorului și opinia cititorului</b> <i>Victoria BOBICEV, Liviu CARCEA</i>
11.	<b>Особенности обработки экспериментальных данных с помощью оконных функций</b> <i>Т. ШЕСТАКОВА, Г. СОРОКИН, С. ГРИЦКОВ</i>



12.	<p><b>Исследование способов хранения, передачи и обработки больших объёмов данных в DICOM формате для медико-информационных систем</b> <i>Alexandr GOLUBEV, Peter BOGATENCOV, Grigore SECRIERU</i></p>
<b><u>15.30 – 16.00</u></b>	<b>Coffee Break</b>

<p><b><u>Section: Computer Sciences and Networks &amp; Cyber Security</u></b> <b><u>19.10.2017, 16.00 – 17.45, ROOM: 3-215</u></b></p>	
Co-chairs:	<p><i>G. Todorean</i> <i>I. Fiodorov</i></p>
1.	<p><b>Voltage Regulation and Stabilization with Limited Capacity Power Supply</b> <i>Alexandr PENIN, Anatolie SIDORENKO</i></p>
2.	<p><b>Applying sequential and parallel programming to solve a non-linear transportation problem</b> <i>Tatiana PAŞA, Valeriu UNGUREANU</i></p>
3.	<p><b>Reglarea Turaţiilor Motorului de Curent Continuu în Mediul de Programare LabView</b> <i>Irina COJUHARI, Ion FIODOROV, Bartolomeu IZVOREANU, Simion BARANOV, Dumitru MORARU, Radu MELNIC</i></p>
4.	<p><b>Identificarea Modelului Matematic al Motorului de Curent Continuu în Baza LabView</b> <i>Irina COJUHARI, Ion FIODOROV, Bartolomeu IZVOREANU, Dumitru MORARU, Radu MELNIC, Andrei CEBAN</i></p>
5.	<p><b>Modul universal pentru sinteza mesajelor cu voce multilingve</b> <i>Sergiu TINCOVAN, Iurie SOROCEANU, Vitalie</i></p>

	<i>SECRIERU, Eugeniu MUNTEANU, Valerian DOROGAN</i>
<b>6.</b>	<b>Ensurement of web application security over the entire life cycle</b> <i>Natalia PLEŞCA</i>

<b><u>Section: Computer Sciences and Networks &amp; Cyber Security</u></b>	
<b><u>20.10.2017, 10.00 – 12.30, ROOM: 3-215</u></b>	
<b>Co-chairs:</b>	<i>A. Buzdugan</i> <i>V. Moraru</i>
<b>1.</b>	<b>The interplay between cyber and nuclear security in Republic of Moldova</b> <i>Aurelian BUZDUGAN, Artur BUZDUGAN</i>
<b>2.</b>	<b>Protocolul HSTS împotriva atacurilor MITM</b> <i>Rodica BULAI, Eugeniu CUCU</i>
<b>3.</b>	<b>Сильно нелинейные колебания линейного осциллятора</b> <i>Наталья Сергеевна ШТАЦКАЯ, Петр Иванович ХАДЖИ</i>
<b>4.</b>	<b>Model de securitare a aplicațiilor mobile în baza analizei STRIDE</b> <i>Rodica BULAI, Nelu SNEGUR</i>
<b>5.</b>	<b>Analiza trăsăturilor psihologice a autorului mesajelor postate online</b> <i>Irina IURCIUC, Victoria BOBICEV</i>
<b>6.</b>	<b>Phase Grating Application for Digital Holographic Imaging</b> <i>Alexei MESHALKIN, Veronika KAZAK, Igor SHEVKUNOV, Elena ACHIMOVA, Vladimir ABASHKIN, Vladimir KATKOVNIK</i>
<b>7.</b>	<b>Securitatea aplicațiilor web după modelul OWASP</b> <i>Rodica BULAI, Alexandr ZIAEV</i>

8.	<b>Использование мобильных устройств для проверки подлинности документов</b> <i>Сергей ОЛЕЙНИК, Виктор БЕШЛИУ и Татьяна СКОРОХОДОВА</i>
9.	<b>Realitatea virtuală. Ghidul spre lumea artificială</b> <i>Nina SAVA, Cristian NIRONES</i>
10.	<b>Sporirea eficienței energetice a incubatorului industrial</b> <i>Sergiu TINCOVAN</i>
11.	<b>Модели движения толпы</b> <i>Tatiana SCOROHODOVA, Liuba GONTA</i>
12.	<b>Умный интернет вещей – кто он и почему за ним будущее?</b> <i>Tatiana SCOROHODOVA, Alexandru IACHIMOV</i>
13.	<b>Billing system SCADA ARM</b> <i>Vladimir JDANOV</i>
14.	<b>A modified sqp algorithm for mathematical programming</b> <i>Vasile MORARU, Sergiu ZAPOROJAN, Daniela ISTRATI</i>
15.	<b>ECO-TIC, un nouveau pas pur l'ecologie et pour la societe</b> <i>Dan OSIPCIUC, Daniela ISTRATI</i>
16.	<b>Regresia polinomială la studierea factorilor climaterici</b> <i>Alina ȚURCANU</i>

<b><u>Section: Biomedical Engineering</u></b>	
<b><u>19.10.2017, 14.00 – 15.30, ROOM: 3-709</u></b>	
<b>Co-chairs:</b>	<b>V. Şontea</b> <b>N. Ciobanu</b>
<b>1.</b>	<b>Development of a biomechanical orthotic device</b> <i>Ignacio Espiritu García MOLINA, Larisa Dunai DUNAI, Ismael Lengua LENGUA</i>
<b>2.</b>	<b>Peroxidation Kinetics involving the Complexes of Cytochrome c and Cardiolipin in the Presence of Lipid Antioxidants</b> <i>E.Yu. KANAROVSKII, O.V. YALTYCHENKO, N.N. GORINCHOY</i>
<b>3.</b>	<b>Device for phototherapy with polarized non-coherent radiation</b> <i>Iurie NICA, Valeriu CEBOTARI, Leonid POGORELISCHI, Aurel SAULEA</i>
<b>4.</b>	<b>Influenţa radiaţiei electromagnetice asupra proceselor biomoleculare</b> <i>Nellu CIOBANU, Natalia GUBCEAC, Ion GRABOVSKI, Vasile TRONCIU</i>
<b>5.</b>	<b>Using of ISM radio bands for wireless charging of medical implants</b> <i>UNGUREANU S., SONTEA V., VIDIBORSCHII V., LEPADATU C., SIPITCO N., FOSA D.</i>
<b>6.</b>	<b>Sporadic plasma perturbations in the E region of the terrestrial ionosphere</b> <i>Valeriu ABRAMCIUC</i>
<b><u>15.30 – 16.00</u>      <b>Coffee Break</b></b>	

<b><u>Section: New technologies for university education</u></b>	
<b><u>19.10.2017, 14.00 – 15.30, ROOM: 3-609</u></b>	
<b>Co-chairs:</b>	<i>N. Balmuş</i> <i>A. Costaş</i>
<b>1.</b>	<b>Softuri educaţionale pentru manualele digitale interactive de fizică</b> <i>Ion Ia ANDRONIC, Nicolae BALMUŞ</i>
<b>2.</b>	<b>Utilizarea modelelor tridimensionale în cursurile plasate pe platforma Moodle</b> <i>Angela ŞULETEA, Sergiu DÎNTU</i>
<b>3.</b>	<b>Manualul digital interactiv de informatică –repere metodologice de realizare şi implementare în procesul de instruire</b> <i>Nicolae BALMUŞ, Natalia BURLACU</i>
<b>4.</b>	<b>New Technologies in Teaching Mathematics for Engineering and ICT Specialties</b> <i>Ana COSTAŞ, Galina RUSU</i>
<b>5.</b>	<b>Concepte metodice în predarea cinematicii rigidului liber şi supus la legături</b> <i>Gheorghe COMAN, Vasile RUSU</i>
<b>6.</b>	<b>Aplicarea TIC în învăţarea bazată pe probleme</b> <i>Dumitru CIORBĂ, Irina COJUHARI, Elena GOGOI, Rostislav CĂLIN</i>
<b><u>15.30 – 16.00</u></b>	<b>Coffee Break</b>

<b><u>Section: New technologies for university education</u></b>	
<b><u>19.10.2017, 16.00 – 17.45, ROOM: 3-609</u></b>	
<b>Co-chairs:</b>	<i>N. Balmuş</i> <i>A. Costaş</i>
<b>1.</b>	<b>Testarea electronică - metodă eficientă de învăţare</b>

	<i>Tudor BRAGARU</i>
2.	<b>Threats to internal application security</b> <i>Yousef Ibrahim DARADKEH, Svetlana Mikhailovna ARISTOVA, Petr Mikhailovich KOROLEV</i>
3.	<b>Evoluția și implementarea noilor tehnologii informaționale în procesul de învățământ</b> <i>Aliona TIHON</i>
4.	<b>Analyse des paronymes français-raumain</b> <i>Raisa BOTNARU</i>
5.	<b>Homonymes à consonnes doubles</b> <i>Raisa BOTNARU, Irina BOTNARU</i>
6.	<b>Greseli fundamentale în unii itemi de fizică din sesiunea BAC 2017</b> <i>Igor EVTODIEV</i>
7.	<b>Planul cadru de alternativă – soluția modernizării învățământului la fizică</b> <i>Sergiu CÂRLIG</i>
8.	<b>Optimization of free energy gain procedures - fundamental goal for ensuring sustainable development</b> <i>Elena AGARWAL, Iurie BOȘNEAGA</i>

<b><u>Section: RENAM WorkShop</u></b>	
<b><u>19.10.2017, 14.00 – 15.30, ROOM: 3-114</u></b>	
<b>Co-chairs:</b>	<i>P. Bogatencov</i> <i>G. Secrieru</i>
1.	<b>Rețeaua RENAM: noi oportunități pentru dezvoltarea conexiunilor CBF regionale</b> <i>Petru BOGATENCOV, Grigore SECRIERU</i>
2.	
3.	
<b><u>15.30 – 16.00</u></b>	<b>Coffee Break</b>

<b><u>Section: Human Social Sciences</u></b>	
<b><u>19.10.2017, 14.00 – 15.30, ROOM: 3-318</u></b>	
<b>Co-chairs:</b>	<i>M. Braga</i> <i>C. Lozovanu</i>
<b>1.</b>	<b>Principiile de bază și direcțiile activității economice din cadrul ONU</b> <i>Natalia CĂRBUNE</i>
<b>2.</b>	<b>Analiza lucrării lui Heidegger „Introducere în metafizică”</b> <i>Mihai BRAGA</i>
<b>3.</b>	<b>Sindromul <i>burnout</i>: boala profesională a societății contemporane</b> <i>Cristina LAZARIUC</i>
<b>4.</b>	<b>Reflecții filosofice asupra unor probleme ale fizicii contemporane</b> <i>Ecaterina LOZOVANU</i>
<b>5.</b>	<b>Contribuții psihologice în cadrul profilelor tehnice; aplicabilitate în disciplinele de ramură și dezvoltare a personalității</b> <i>Simion Dănuț SIMION</i>
<b>6.</b>	<b>Cercetarea transdisciplinară și mecatronica</b> <i>V. ȚAPOC</i>
<b>7.</b>	<b>Despre rolul și însemnătatea științelor socioumane în formarea personalității viitorilor specialiști cu studii superioare</b> <i>Ion VANGHELI</i>
<b><u>15.30 – 16.00</u></b>	<b>Coffee Break</b>

<b><u>Section: Fizica Stării Condensate și Ingineria Materialelor</u></b>	
<b><u>19.10.2017, 14.00 – 15.30, ROOM: 3-201</u></b>	
<b>Co-chairs:</b>	<i>L. Konopko</i> <i>L. Croitor</i>
<b>1.</b>	<b>Anisotropic thermoelectric devices made from single crystal semimetal microwires</b> <i>L.A. Konopko, A.A. Nikolaeva, A.K. Kobylanskaya, T.E. Huber</i>
<b>2.</b>	<b>Temperature Induced Irreversible and Reversible Single Crystal to Single Crystal Transformations in Co(II) and Cd(II) Coordination Networks</b> <i>D. Chisca, L. Croitor, O. Petuhov, Ed.B. Coropceanu, M. S. Fonari</i>
<b>3.</b>	<b>Oscilațiile cuantice, proprietățile magnetice și supraconductibile ale interfețelor nanodimensionale din Bi și aliajele Bi-Sb</b> <i>F. M. Muntyanu, E.P. Condrea, V.G. Chistol</i>
<b>4.</b>	<b>Proprietățile termoelectrice a soluțiilor solide de tipul Ga-Sb-Fe</b> <i>B. Corolevschi, L. Guțuleac, I. Postolachi, P. Untila</i>
<b>5.</b>	<b>Conductivitatea electrică a aliajelor GaSb+Fe</b> <i>Boris Corolevschi, Leonid Guțuleac, Igor Postolachi, Pantelei Untilă</i>
<b>6.</b>	<b>Asamblarea compușilor coordinațivi ai Co(II, III) cu di- și trietanolamina</b> <i>Dumitru D. Stati, Victor Ch. Kravtsov, Svetlana G. Baca</i>
<b>7.</b>	<b>Влияние импульсного магнитного поля на микротвердость листового стекла</b> <i>Василий Шарагов, Мариана Агаки, Ион Олару</i>
<b>8.</b>	<b>Tehnologii de preparare a celulelor solare pe bază de perovskite și chalcogenuri</b> <i>Mihail Popa, Anvar Zakhidov, Ion Tighyneanu</i>



9.	<b>Cercetarea proprietăților electrice ale celulelor solare pe bază de perovskite și chalcogenuri</b> <i>Mihail Popa, Anvar Zakhidov, Ion Tighyeanu</i>
10.	<b>Obținerea peliculelor de GaSb prin metoda descărcărilor electrice.</b> <i>Guțuleac Leonid, Ojegov Alexandr, Postolachi Igor, Topala Pavel</i>
11.	<b>Разработка методики HF-секционирования поверхностных слоев промышленных стекол разного назначения</b> <i>Василий Шарагов, Светлана Райфура</i>
<b>15.30 – 16.00</b>	<b>Coffee Break</b>

**Section: Fizica Teoretică și Computațională**

**19.10.2017, 16.00 – 17.45, ROOM: 3-201**

<b>Co-chairs:</b>	<i>V. Ciornea</i> <i>B. Mironov</i>
1.	<b>Metastable bound states of the two-dimensional quasi-bimagnetoexcitons</b> <i>S.A. Moskalenko, P.I. Khadzhi, E.V. Dumanov, I.V. Podlesny, M.A. Liberman, and I.A. Zubac</i>
2.	<b>Asymmetrical behaviors of second-order photon correlation functions due to interference effects</b> <i>V. Ciornea, P. Bardetski, Mihai A. Macovei</i>
3.	<b>Corelații cuantice fononi-fononi la neglijarea aproximației undei rotative</b> <i>Cârlig Sergiu</i>
4.	<b>To the decade of publishing the books "mechanisms of electromagnetic and gravitational fields"</b> <i>B. Mironov</i>

<b><u>Section: Tehnologiile Fizice și Ingineria Dispozitivelor</u></b>	
<b><u>19.10.2017, 14.00 – 15.30, ROOM: 3-203</u></b>	
<b>Co-chairs:</b>	<i>D. Tsiulyanu</i> <i>S. Pyshkin</i>
<b>1.</b>	<b>Characterization of gas sensitive chalcogenide films by impedance spectroscopy</b> <i>Dumitru Tsiulyanu</i>
<b>2.</b>	<b>Advanced Light-Emissive Device Structures</b> <i>Sergei L. PYSHKIN</i>
<b>3.</b>	<b>Advanced Econophysical Analysis for Optimization of Transition to Sustainable Energy Development - Elaboration of the Main Components</b> <i>Iurie Boşneaga, Mircea Bologa</i>
<b>4.</b>	<b>Variația consumului de energie la procesarea electrofizică a zerului</b> <i>Bologa, M., Vrabie, E., Stepurina, T., Vrabie, V., Iliasenco, O., Paladii, I., Sprincean, C., Policarpov, A., Gonciaruc</i>
<b>5.</b>	<b>Rational energy accumulation as a condition <i>sine qua non</i> for transition to Sustainability</b> <i>Iurie Boşneaga, Mircea Bologa</i>
<b>6.</b>	<b>The dynamic conductivity of glassy As<sub>2</sub>S<sub>3</sub>Ge<sub>8</sub>-Te films by NO<sub>2</sub> adsorption</b> <i>Marina Ciobanu</i>
<b>15.30 – 16.00</b>	<b>Coffee Break</b>

<b><u>Posters Presentation</u></b> <b><u>20 October 2017, 10.00-12.00, Bl. 3-Hall</u></b>	
<b>Co-chairs:</b>	<b><i>V. Ababii</i></b> <b><i>I. Cojocaru</i></b> <b><i>A. Romanenko</i></b> <b><i>R. Melnic</i></b>
<b>1.</b>	<b>Fabrication and characterization of flexible composite material based on Aerographite/InP micro-nanostructures</b> <i>Irina PLESCO, Julian STROBEL, Fabian SCHÜTT, Leonid GORCEAC, Boris CINIC, Cameliu HIMCINSCHI, Yogendra Kumar MISHRA, Lorenz KIENLE, Rainer ADELUNG, Ion TIGINYANU</i>
<b>2.</b>	<b>Model Neuronal Decizional în Baza Experienței Operatorului Uman</b> <i>Viorel CĂRBUNE</i>
<b>3.</b>	<b>Despre Soluționarea Problemei de Optimizare Privind Calculul Rețelei de Telecomunicații Multimedia</b> <i>Ana NISTIRIUC, Victor ABABII, Dinu ȚURCANU, Andrei CHIHAI, Pavel V. NISTIRIUC, Nicolae BEJAN, Ion NISTIRIUC</i>
<b>4.</b>	<b>Tendențe tehnologice în domeniul inteligenței artificiale</b> <i>Eugenia DONOS, Dumitru CIORBĂ</i>
<b>5.</b>	<b>Imprimarea 3D pe Baza Principiului de Extrudarea Termoplastică</b> <i>Sorin BOTNARU, Irina COJUHARI, Ion FIODOROV</i>
<b>6.</b>	<b>The Decision-Making System Based on Adaptive Agents</b> <i>Grenadine SAFONOV, Victor ABABII, Viorica SUDACEVSCHI</i>
<b>7.</b>	<b>Sistem pentru comanda unei colonii de roboți mobili în baza modelelor de rețele neuronale</b>

	<i>Victor ABABII, Viorica SUDACEVSCHI, Dimitri BORDIAN, Alexei RASCHIPKIN</i>
<b>8.</b>	<b>Evaluarea Timpului de Întârziere în Plăcile de Cablaj Imprimat în Baza Reţelelor Petri Hard Temporizate</b> <i>Dimitri CALUGARI, Viorica SUDACESVCHI, Victor ABABII, Dimitri BORDIAN</i>
<b>9.</b>	<b>Способы и устройства для определения критической частоты слияния мельканий (КЧСМ)</b> <i>Alexandr ROMANENKO, Valeriu DRAGONER, Mihai POTLOG, Svetlana COJOCARU</i>
<b>10.</b>	<b>Аудиостриминговый сервис, основанный на технологии PeertoPeer</b> <i>Leonid BARSUCOVSKI, Alexandr ROMANENKO, Radu MELNIC</i>
<b>11.</b>	<b>Применение нейронных сетей в реализации вопросно-ответных систем</b> <i>Virsta MARIA, Alexandr ROMANENKO, Tamara TIHOLAZ</i>
<b>12.</b>	<b>Proiectarea și implementarea unui micronucleu</b> <i>Alexandr VULPEA, Dumitru CIORBĂ</i>
<b>13.</b>	<b>К вопросу построения высокоточных фотоэлектрических преобразователей перемещений</b> <i>Валерий ДРАГОНЕР, Михаил ПОТЛОГ, Александр РОМАНЕНКО, Тамара ТИХОЛАЗ, Дориан САРАНЧИУК</i>
<b>14.</b>	<b>System for digital processing of multidimensional signals</b> <i>Dimitri CALUGARI, Viorica SUDACEVSCHI, Victor ABABII, Dimitri BORDIAN</i>
<b>15.</b>	<b>Система принятия решений на базе мембранных вычислительных топологий</b> <i>Негарэ Е., Мелник Р., Бордиан Д., Нустирюк А.</i>
<b>16.</b>	<b>Применение устройства для корректурных проб</b> <i>Alexandr Romanenko, Ion Baltus, Ludmila Duca</i>
<b>17.</b>	<b>Сбор и мониторинг телеметрических данных с использованием Raspberry PI</b> <i>Iurii Iurii, Alexandra Subernetcaia, Alexandru Romanenko, Dorian Saranciu</i>

18.	<b>Mobile technologies in a nutshell</b> <i>Adrian ZGHIBARTA, Mariana CATRUC</i>
19.	<b>Tehnologii de preparare a celulelor solare pe bază de perovskite și chalcogenuri</b> <i>Mihail Popa, Anvar Zakhidov, Ion Tighyaneanu</i>
20.	<b>Аспекты направленного синтеза протеаз у мицелиальных грибов с использованием нанокислов металлов</b> <i>А. Чилочи, Ж. Тюрина, С. Лаблюк, Е. Дворнина, С. Клапко, Ч. Бивол, Т. Гуцул, Е. Русу, Д. Дворников</i>
21.	<b>Critical current of MgB<sub>2</sub> microbriges</b> <i>A. Surdu, A. Sokrovisciuc, E. Antropov, M. Mikhailov, A. Sivakov, A. Pokhila, A. Sidorenko</i>
22.	<b>Magnetic random access memory (MRAM) element based on the triplet spin-valve effect for superconducting spintronics</b> <i>R. Morari, D. Lenk, V.I. Zdravkov, A.A. Prepelita, E.V. Antropov, A. Socrovisciuc, S. Donu, E. Condrea, S. Horn, R. Tidecks, L.R. Tagirov, A.S. Sidorenko</i>
23.	<b>Учёт влияния липидного антиоксиданта на пероксидазный процесс с участием комплекса цитохрома с и кардиолипина</b> <i>Е.Ю. Канаровский, О.В. Ялтыченко, Н.Н. Горинчой</i>
24.	<b>Sinteza și studiul polimerilor 2D ai Zn(II) în baza 2,6-diacetilpiridină bis((izo)nicotinoilhidrazone)-lor</b> <i>Olga DANILESCU, Pavlina BOUROȘ, Ion BULHAC</i>
25.	<b>IURIE PERLIN – in memoriam</b> <i>Iulia MALCOCI</i>
26.	<b>Monitoring of the atmospheric aerosol optical characteristics at the iap ground-based station, kishinev(moldova)</b> <i>A. Aculinin, V. Smicov</i>
27.	<b>Monitoring of total ozone content(toc) at the iap ground-based station, kishinev(moldova)</b> <i>A. Aculinin, V. Smicov</i>

28.	<p><b>Передача двух сигналов по трехпроводной линии с потерями</b>  <i>А. Пенин, А. Сидоренко, С. Дону</i></p>
29.	<p><b>Synthesis and crystal structure of binuclear seven-coordinated manganese(ii) complex</b>  <i>Lidia CUBA, Pavlina BOUROSH, Diana DRAGANCEA</i></p>
30.	<p><b>Straturi de AlN crescute pe siliciu prin metoda reacțiilor chimice de transport cu urme de azot polimerizat</b>  <i>S. Raevschi, N. Spalatu, L. Gorceac, V. Botnariuc</i></p>
31.	<p><b>Studierea procesului de condensare a zerului</b>  <i>Sergiu SOLONARI, Irina VUTCARIOVA, Maria RUSU, Gheorghe BALAN, Mircea BOLOGA</i></p>
32.	<p><b>О влиянии обработки бетонной сухой смеси в магнитнооживленном слое на прочность бетона</b>  <i>Ф.П. Гросу, В.П. Гончарук, М.К. Болога, А.А. Поликарпов, О.В. Моторин</i></p>
33.	<p><b>Электромагнитная активация воды для растворной смеси</b>  <i>В.П. Гончарук, М.К. Болога, И.В. Русу, А.А. Поликарпов, Э.Г. Врание, В.В. Спыну</i></p>
34.	<p><b>Sinteza și studiul cu raze X a polimerului 1D al Fe(II) în fază cristalină ce conține 4,4'-dipiridină</b>  <i>Aliona Vitiu, Eduard Coropceanu, Paulina Bouroș</i></p>
35.	<p><b>К теории высокотемпературной сверхпроводимости в двухслойных системах FeSe/STO</b>  <i>М.Е. Палистрант, Д.Ф. Дигор, С.А. Палистрант</i></p>
36.	<p><b>Structuri miez/înveliș bazate pe CdTe/SnO<sub>2</sub> și GaAs/SnO<sub>2</sub> pentru aplicații optoelectronice</b>  <i>L. Ghimpu, A. Pantazi, O. Brincoveanu, R. Mesterca, Ursachi, I. Tighineanu, M. Enachescu</i></p>
37.	<p><b>Absorption and Luminescence Spectra of Ga-based Chalcogenide Glasses</b>  <i>E.V. Lupan, M.S. Iovu</i></p>
38.	<p><b>Влияние времени хранения на стабильность тонкопленочных структур Cu-As<sub>2</sub>S<sub>3</sub> и Ag-As<sub>2</sub>S<sub>3</sub></b>  <i>А.М. Настас, М.С. Йову, О. В. Ясенюк</i></p>

39.	<b>Calitățile de savant și metodele științifice de investigare utilizate de Eminescu</b> <i>Ion HOLBAN</i>
40.	<b>Ultrafast optomagnetic bistable effects in magnetically – ordered materials</b> <i>S. A. Baranov, I. I. Dobynde</i>
41.	<b>Prepararea și caracterizarea filmelor de ZnSnO prin metoda aerosol</b> <i>V. Morari, N. Curmei, O. Brincoveanu, R. Mesterca, D. Balan, E. Rusu, M. Prodana, V. Ursachi, M. Enachescu</i>
42.	<b>Synthesis of Mg<sub>x</sub>Zn<sub>1-x</sub>O thin films by spin coating and aerosol deposition methods</b> <i>V. Morari, O. Brincoveanu, R. Mesterca, D. Balan, E. Rusu, V. Zalamai, M. Prodana, V. Ursaki, M. Enachescu</i>
43.	<b>Transport properties of Bi wires in high magnetic field</b> <i>E. Condrea, F. Muntyanu and A. Gilewski</i>
44.	<b>Прибор непрерывного мониторинга качества воды, по измерению и сбору информации на SD- карту данных, по её проводимости и температуре</b> <i>В. Смыслов, А. Сидоренко</i>
45.	<b>Revista „Fizica și tehnologiile moderne”, 15 ani de activitate, mic bilanț, probleme</b> <i>Ion HOLBAN</i>
46.	<b>Synthesis and characterization of nanoparticles Fe<sub>0</sub>/PVP</b> <i>T. Gutul , T. Fedorov, A.Mirzac, A.Shkurpelo ,S.Vatavu</i>
47.	<b>Характеристика методов определения механических свойств стеклянных банок</b> <i>Василий Шарагов, Галина Курикеру</i>
48.	<b>Термостойкость стеклянной тары, выщелоченной диоксидом серы</b> <i>Василий Шарагов, Ион Бурковский</i>
49.	<b>Влияние двухфотонных процессов на поведение законов дисперсии экситон-поляритонов в условиях действия сильной накачки в области М-полосы люминесценции</b> <i>П.И. Хаджи, Л.Ю. Надькин, Д.А. Марков</i>

50.	<b>Численное моделирование воздействия ударной волны от сверхновой звезды с молекулярными облаками межзвёздного газа</b> <i>С.М. Соковнич</i>
51.	<b>О пробковом механизме теплопередачи в испарительно-конденсационной системе</b> <i>Ф.П. Гросу, М.К. Болога, И.В. Кожевников, А.А. Поликарпов, О.В. Моторин</i>
52.	<b>О сущности электрогидродинамической очистки жидкостей</b> <i>В.И. Лей</i>
53.	<b>Optimized growth of VO<sub>2</sub> thin films by metalorganic aerosol deposition</b> <i>O. Shapoval, A. Belenchuk, E. Zasavitchi, S. Vatavu, A. Chirita</i>
54.	<b>Исследование изменения выходных характеристик ЭГД насоса от времени</b> <i>Болога М.К., Кожевников И.В., Гросу Ф.П., Черника И. М., Мардарский О.И.</i>
55.	<b>Porous three-dimensional Cd(II) coordination network based on 1,2-bis(4-pyridyl)ethane and formiate ligands</b> <i>Victor Bold, Eduard B. Coropceanu, Victor Ch. Kravtsov</i>
56.	<b>Изменение термоэлектрических свойств тонких нитей Bi<sub>1-x</sub>Sb<sub>x</sub> (0 ≤ x ≤ 0.12) от диаметра</b> <i>Иван Попов</i>
57.	<b>Extragerea fracțiilor proteice la procesarea electrofizică a zerului</b> <i>Bologa, M., Vrabie, E., Stepurina, T., Vrabie, V., Iliasenco, O., Paladii, I., Sprincean, C., Policarpov, A., Gonciaruc, V.</i>
58.	<b>Aspecte ecologice la procesarea electrofizică a zerului</b> <i>Bologa, M., Paladii, I., Vrabie, E., Stepurina, T., Vrabie, V., Iliasenco, O., Sprincean, C., Policarpov, A., Gonciaruc, V.</i>
59.	<b>Shubnikov- de Haas effect and thermoelectric properties layer and wires</b> <i>A.A. Nikolaeva, L.A. Konopko, P.P. Bodiul, D.F. Meglei, T. Koromyslichenko</i>



<b>60.</b>	<b>Анизотропные квантовые точки в электрическом и магнитном полях</b> <i>Е.И. Брусенская, Р.А. Хамидуллин</i>
<b>61.</b>	<b>Анизотропные квантовые проволоки в магнитном поле</b> <i>Р.А. Хамидуллин, Е.И. Брусенская</i>
<b>62.</b>	<b>Hexanuclear pivalate iron(iii) cluster with a functionalized salicylaldehyde</b> <i>Iurie L. Malaestean, Sergiu Shova, Diana Dragancea</i>
<b>63.</b>	<b>Efectul câmpului electric asupra transferului de căldură la fierberea pe suprafețe poroase</b> <i>M. Bologa, I. Cernica, 2, O. Mardarschi, I. Kojevnikov</i>
<b>64.</b>	<b>Нелинейное стационарное пропускание тонкой полупроводниковой пленки двух ультракоротких импульсов лазерного излучения в экситонной области спектра и в области экситон–биэкситонной конверсии</b> <i>А.Г. Мангур, А.В. Коровай</i>
<b>65.</b>	<b>Detection in the contacts at low temperatures: influence of the free electrons concentration on the detecting parameters</b> <i>Ia. I. Kerner</i>
<b>66.</b>	<b>Procesarea zerului concentrat prin electroliză</b> <i>Irina Vutcariova</i>
<b>67.</b>	<b>The Benefits of Inquiry-Based Science and Math Education as a Constructivist Pedagogy</b> <i>Mihail Calalb</i>
<b>68.</b>	<b>HTSC in Modern Anisotropic Compounds</b> <i>M. E. Palistrant, Mihail Calalb, Vitalie Ursu</i>
<b>69.</b>	<b>Исследование изменений режима осадков в районе многолетних противорадовых работ в центральном регионе республики Молдова.</b> <i>Е.И. Потапов, Е.А. Засавицкий</i>
<b>70.</b>	<b>In memoriam of academician Valeriu Kantser</b> <i>Anatolie Sidorenko</i>
<b>71.</b>	<b>Proprietăți optice ale compozitului Ga<sub>2</sub>O<sub>3</sub>-Ga<sub>2</sub>S<sub>3</sub></b> <i>Igor Evtodiev, Iuliana Caraman, Valeriu Kantser, Silvia Evtodiev, Petru Gașin, Veaceslav Sprincean</i>

<b>72.</b>	<b>Extracţia cavitaţională</b> <i>Petru Dumitras, Mircea Bologa, Tatiana Cubriţcaia, Gheorghe Balan, Eugenia Sîngaci</i>
<b>73.</b>	<b>Metode tehnologice de procesare a lavandei</b> <i>Petru Dumitras, Mircea Bologa, Viorel Ceornea, Gheorghe Balan</i>
<b>74.</b>	<b>Ultrafast Optomagnetic Bistable Effects in Magnetically-Ordered Dielectrics Cylindrical Nanoparticles</b> <i>Sergei Baranov, Igor Dobynde</i>