

# TEXTILES OF THE FUTURE

## ISKA 2013

### INTERNATIONAL SYMPOSIUM IN KNITTING AND APPAREL

## ~ PROGRAM ~

21-22 June 2013,  
Iași, Romania

Faculty of Textiles – Leather and Industrial Management  
Bd. Prof.dr.doc. Dimitrie Mangeron, 29, Iași

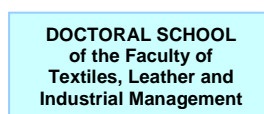
Organized by



„Gheorghe Asachi”  
Technical University  
of Iași, Romania



Faculty of Textiles,  
Leather and Industrial  
Management



Alumni Association of the  
Textile & Leather Faculty, Iași



National Institute  
of Inventions,  
Iași



The General  
Association of the  
Engineers in  
Romania

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## Topics

1. Advanced Fibres and Yarns
2. Technical and Functional Textiles and Clothing
3. New Technologies and Equipments
4. Design and product development
5. IT Applications. Modelling and simulation
6. Environment Protection and Clean Technologies
7. Quality and Testing
8. Marketing and Management
9. Engineering Education

# SYMPOSIUM PROGRAM:

Thursday, June 20 <sup>th</sup> , 2013	
Hour	Activity
17:00 – 19:00	Participants registration Tex1 Building, Council Room
19:00 – 20:30	Welcome Reception Tex1 Building, Council Room

Friday, June 21 <sup>st</sup> , 2013	
Hour	Activity
09:00-10:00	<b>Participants registration,</b> Tex1 Building, Ground Floor
10:00-10:30	<b>Welcome and Opening Remarks</b> „I.C.Stefănescu” Audithorium, Tex1 Building - representatives of the university / faculty - representatives from the companies and associations
10:30-11:30	<b>Plenary Session 1. Invited lecture and scientific papers</b> „I.C.Stefănescu” Audithorium, Tex1 Building Moderator: Carmen Loghin, Aura Mihai
	<b>Invited lecture</b> <b>10:30 – 11:00</b> <b>Alenka PAVKO CUDEN</b> <i>University of Ljubljana, Faculty of Textile Technology, Slovenia</i> THE FUTURE IS PAVED BY INNOVATION: UNCONVENTIONAL KNITTED STRUCTURES
	<b>Scientific papers</b> 11:00 – 11:15 <b>Yordanka Angelova</b> <i>Technical University of Gabrovo. Bulgaria</i> STUDY OF WEFT KNITTED STRUCTURES WITH ELASTIC YARNS – AIR-PERMEABILITY 11:15 – 11:30 <b>Mariana Costea, Aura Mihai</b> <i>“Gheorghe Asachi” Technical University of Iasi, Romania</i> INNOVATIVE METHOD OF MODELING SHOE LASTS
11:30-12:00	<b>Coffee Break</b>
12:00-13:00	<b>Plenary Session 2. Scientific papers.</b> I.C.Stefănescu Audithorium, Tex1 Building Moderators: Mariana Ursache, Alenka Pavko Cuden
	12:00 – 12:15 <b>Zlatina Kazlacheva, Julieta Ilieva</b> <i>Trakia University, Yambol, Bulgaria</i> THE GOLDEN TRIANGLE IN FASHION DESIGN 12:15 – 12:30 <b>Ziya Ozek<sup>1</sup>, M.C. BOLUKBAS<sup>2</sup></b> <i><sup>1</sup>Namık Kemal University, Çorlu Engineering Faculty, Textile Engineering Faculty, Çorlu, <sup>2</sup> Tup Merserize A.S., Turkey</i> APPLICATION OF QUALITY FUNCTION DEPLOYMENT METHOD TO DEVELOP NEW PRODUCTS FOR A KNITTING MILL 12:30 – 12:45 <b>Olga Diordiev</b> <i>Free International University of Moldova</i> PECULIARITIES OF COMPOSITIONAL, CONSTRUCTIVE AND TECHNOLOGICAL

	<p>DESIGN OF DANCE SPORT COSTUME</p> <p>12:45 – 13:00  <b>Savin Dorin Ionesi</b>, Luminița Ciobanu  <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i></p> <p>EVALUATION OF TENSILE BEHAVIOR OF RAW MATERIALS USED FOR COMPOSITES REINFORCEMENT</p> <p>13:00 – 13:15  <b>Nadezhda Kornilova</b><sup>1</sup>, Sergey Koksharov<sup>2</sup>, Anna Arbuzova<sup>3</sup>  <sup>1</sup>Ivanovo State Textile Academy, Ivanovo; <sup>2</sup>G.A. Krestov Institute of Solution Chemistry of RAS; <sup>3</sup>Joint Stock Company of open type «PolymerTex», Russia</p> <p>DEVELOPING OF A NEW ASSORTMENT OF REINFORCED INTERLINING MATERIALS WITH REGULATE ELASTIC PROPERTIES</p> <p>13:15 – 13:30  <b>CAN Ünal</b>  <i>Namik Kemal University, Çorlu Engineering Faculty, Textile Engineering Faculty, Tekirdag, Turkey</i></p> <p>DETERMINATION OF SUITABLE LINE BALANCING ALGORITHM FOR TECHNICAL TEXTILES PRODUCTION</p>
<b>13:30-13:45</b>	<p><b>Students' Design Collection</b>  Council Room, Tex1 Building, Ground Floor  Coordinator: <b>Antonela Curteza</b>  <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i></p>
<b>13:45-14:00</b>	<p><b>Poster Session 1</b>  Tex1 Building, Ground Floor  Moderators: Irina Ionescu, Zlatina Kazlacheva</p>
<b>14:00-15:30</b>	<p><b>Lunch break</b></p>
<b>15:30-17:00</b>	<p><b>Plenary Session 3: Scientific papers. Students of the FTPMI Doctoral School</b>  Council Room, Tex1 Building, Ground Floor  Moderators: Antonela Curteza, Mirela Blaga</p>
	<p><b>Crina Buhai</b>, Luminita VLAD, Costea BUDULAN  <i>Doctoral School of FTPMI, "Gheorghe Asachi" Technical University of Iasi, Romania</i></p> <p>COMFORT PROPERTIES OF FUNCTIONAL SPACER FABRICS</p> <p><b>Bogdan Sârghe</b><sup>1</sup>, Mariana Costea<sup>2</sup>, Dumitru Liuțe<sup>1</sup>,  <sup>1</sup>Doctoral School of FTPMI, <sup>2</sup>"Gheorghe Asachi" Technical University of Iasi, Romania</p> <p>ANTHROPOMETRIC STUDY OF THE FOOT USING 3D SCANNING METHOD AND STATISTICAL ANALYSIS</p> <p>Angela Cerempei<sup>1</sup>, <b>Danko Abramiuc</b><sup>2</sup>, Rodica Muresan<sup>1</sup>  <sup>1</sup>"Gheorghe Asachi" Technical University of Iasi, Romania, <sup>2</sup>Doctoral School of FTPMI,</p> <p>OPTIMIZATION VARIANTS FOR OBTAINING COSMETIC ANTIMICROBIAL DISKS</p> <p><b>Luminița Vlad</b>, Stan Mitu, Crina Buhai  <i>Doctoral School of FTPMI, "Gheorghe Asachi" Technical University of Iasi, Romania</i></p> <p>THE EVALUATION OF PHYSIOLOGICAL PARAMETERS UNDER DIFFERENT STATE AND WEAR CONDITIONS OF THE PROTECTIVE EQUIPMENT</p> <p><b>Octavian Popescu</b>, Aurelia Grigoriu  <i>Doctoral School of FTPMI, "Gheorghe Asachi" Technical University of Iasi, Romania</i></p> <p>MODIFICATION OF WOOL SURFACE PERFORMED WITH CYCLODEXTRIN</p>
<b>17:30-18:00</b>	<p><b>Poster Session 2</b>  Tex1 Building, Ground Floor  Moderators: Manuela Avădanei, Yordanka Angelova</p>
<b>19:00</b>	<p><b>Dinner</b></p>

**Saturday, June 22<sup>nd</sup>, 2013**

Hour	Activity
9:00 – 10:00	<b>Companies' presentations: Profile and Job offer</b>
10:00 – 10:15	<b>Coffee Break</b>
10:15-11:30	<p><b>Plenary Session 4: Scientific papers.</b> Council Room, Tex1 Building Moderators: Aura Mihai,</p>
	<p>10:15 – 10:30 <b>Ionut Dulgheriu</b> <i>"Gheorghe Asachi" Technical University of Iași, Romania</i> SPECIAL TREATMENTS, ANTI-THERMAL MATERIALS AND PRODUCTS</p> <p>10:30 – 10:45 <b>Manuela Avadanei</b>, Carmen Loghin &amp; Ionut Dulgheriu <i>"Gheorghe Asachi" Technical University of Iași, Romania</i> 3D PATTERN DESIGN OF PRODUCTS WITH SPECIAL DESTINATION</p> <p>10:45 – 11:00 <b>Viorica Cazac</b>, Svetlana Cangaș <i>Technical University of Moldova, Chishinau. R. Moldova</i> NATURE MIMICKING IN PRODUCT AESTHETIC CONCEPTS</p> <p>11:00 – 11:15 <b>Luminița Ciobanu</b>, <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i> PRODUCTION OF 3D KNITTED FABRICS</p> <p>11:15 – 11:30 <b>Savin Dorin Ionesi</b>, Luminița Ciobanu, Mariana Ursache <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i> E-LEARNING INSTRUMENTS USED FOR EXPLAINING FUNDAMENTALS OF THE KNITTING CYCLE</p>
11:30 – 12:30	<p><b>Workshop:</b> <b>LLP ERASMUS – Platform for international relations</b> Council Room, Tex1 Building</p>
12:30-12:45	<p><b>Closing Ceremony</b> Council Room, Tex1 Building</p>
12:45-14:00	<b>Visits in the Faculty laboratories</b>
14:00	<b>Social activities: Local visits, site seeing (optional)</b>

**Job Shop:**  
**"The Employers  
are looking  
for YOU"**  
Tex 2 Building, Room 101

## LIST OF POSTERS

Friday, June 21 <sup>st</sup> , 2013	
<b>13:45-14:00</b>	<b>POSTER SESSION 1</b> Tex1, Ground Floor
1. <b>Tudorel Bălău Mîndru</b> , Iulia Bălău Mîndru, Theodor Măluțan <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i> GELATIN / POLYVINYL ALCOHOL NONWOVEN FIBERS MEDIA OBTAINED BY CENTRIFUGAL SPINNING	
2. <b>Iulia Bălău Mîndru</b> , Tudorel Bălău Mîndru, Irina Tărăboanță <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i> NATURAL POLYMERS FOR NANOFIBERS – HYALURONIC ACID	
3. <b>Irina Tărăboanță</b> , Iulia Balau-Mandru, <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i> BIOACTIVE FIBERS	
4. <b>Diana Balabanova</b> <i>Trakia University - Stara Zagora, Faculty of Technics and Technologies – Yambol, Stara Zagora, Bulgaria</i> KINEMATIC ANALYSIS OF THE SEWING NEEDLE AND THREAD TAKE-UP LEVER MECHANISMS OF SEWING MACHINES	
5. <b>Nadezhda Kornilova</b> , Anna GORELOVA, Anna ARBUZOVA <i>Ivanovo State Textile Academy, Ivanovo, Russia</i> THE PROGRAM FOR THE THREE-DIMENSIONAL DESIGN OF CORSETS AND LINGERIE	
6. <b>Galina Bashkova</b> , Gregory Tchistoborodov <i>Ivanovo State Textile Academy, Ivanovo, Russia</i> EVALUATION OF THERMAL CONDUCTIVITY OF MULTILAYER FIRE-FIGHTERS PROTECTIVE CLOTHING	
7. <b>Pelin Gurkan Unal</b> <i>Namik Kemal University, Çorlu Engineering Faculty, Textile Engineering Faculty, Tekirdag, Turkey</i> FUTURE OF COMPOSITES: 3D WOVEN FABRICS	
8. <b>Olga Diordiev</b> <i>Free International University of Moldova, Chisinau, R. Moldova</i> RESEARCHES AND CONTRIBUTIONS TO DESIGN OF ACADEMIC REGALIA „HONORIS CAUSA ULIM”	
9. Darya Aleshina, <b>Galina Bashkova</b> , Svetlana Sokolova <i>Ivanovo State Textile Academy, Ivanovo, Russia</i> THE PROGRAMM FOR DESIGNING OF KNITTED STRUCTURE BY VIRTUAL SIMULATION	
10. <b>Julieta Ilieva</b> , Zlatina Kazlacheva <i>Faculty of Technics and Technologies, Trakia University, Yambol</i> DRESSES' DESIGN ON THE BASE OF AN INVESTIGATION OF CONNECTIONS IN THE LATEST FASHION TRENDS	
11. <b>Viorica Crețu</b> <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i> NEW MATERIALS AND TECHNOLOGIES FOR FUNCTIONAL SOCKS	
12. <b>Emilia Filipescu</b> <sup>1</sup> , Elena Spinachi <sup>3</sup> , Sabina Olaru <sup>2</sup> , Claudia Niculescu <sup>2</sup> <sup>1</sup> <i>"Gheorghe Asachi" Technical University of Iasi</i> , <sup>2</sup> <i>INCDTP, Bucharest</i> , <sup>3</sup> <i>GEMINI CAD SYSTEMS, Iasi, Romania</i> RESEARCH ON ANTHROPOMETRIC SIZES FOR BODY SHAPE CHARACTERIZATION OF CORPULENT WOMEN	
13. <b>Mioara Crețu</b> <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i> METHOD FOR THE DESIGN DEVELOPMENT OF JERSEY CLOTHING	
14. <b>Stela Balan</b> , Irina Tutunaru, Marcela Irovan, Elena Mocanu, <i>Technical University of Moldova, Chisinau. R. Moldova</i> PROBLEMS ON PROVIDING ERGONOMIC CORRESPONDENCE FOR THE CLOTHING FOR MOUNTAIN SKIERS	
15. <b>Laura Macovei</b> , Viorica Crețu, Antonela Curteza <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i> FUNCTIONAL HEATING TEXTILES MADE OF ELECTROCONDUCTIVE YARNS	
16. <b>Irina Tutunaru</b> , Stela Balan, Marcela Irovan, Natalia Leșan <i>Technical University of Moldova, Chisinau. R. Moldova</i> THEORETICAL AND APPLIED STUDIES OF DESIGN OF PRODUCTS WITH FLEXIBLE STRUCTURE FOR WOMEN	

17. Darja Rant, <b>Alenka PAVKO-CUDEN</b> <i>University of Ljubljana, Faculty of Natural Sciences and Engineering, Slovenia</i> FOLDABLE WEFT KNITTED STRUCTURES WITH AUXETIC POTENTIAL	
18 Andrej Vilar, Klementina MOZINA, <b>Alenka PAVKO-CUDEN</b> <i>University of Ljubljana, Faculty of Natural Sciences and Engineering, Slovenia</i> TYPOGRAPHY AND LOGOS IN KNITTED STRUCTURES	
19. <b>Lilioara SURDU</b> <sup>1</sup> , Ioan CIOARĂ <sup>2</sup> , Carmen GHIȚULEASA <sup>1</sup> , Ion Răzvan RĂDULESCU <sup>1</sup> <sup>1</sup> INCDTP, Bucharest, <sup>2</sup> "Gheorghe Asachi" Technical University of Iași, Romania SOFTWARE FOR COMFORT PROPERTIES ASSESSMENT OF MULTI-LAYER TEXTILE MATERIALS	
20. <b>Daniela SUTEU</b> , Carmen ZAHARIA <i>"Gheorghe Asachi" Technical University, Iași, Romania</i> UTILIZATION OF APPLE SEEDS AS ADSORBENT FOR REMOVAL OF DYES FROM TEXTILE WASTE WATERS	
21. <b>Emilia Filipescu</b> <sup>1</sup> , Claudia Niculescu <sup>2</sup> , Sabina Olaru <sup>2</sup> , Adrian Salistean <sup>2</sup> & Elena Spinachi <sup>3</sup> <sup>1</sup> "Gheorghe Asachi" Technical University of Iasi, <sup>2</sup> INCDTP, Bucharest, <sup>3</sup> GEMINI CAD SYSTEMS, Iasi, Romania RESEARCH ON EVOLVING NATURE OF ANTHROPOMETRIC SIZES CHARACTERIZING ROMANIAN CHILDREN POPULATION	
22. <b>Pulferia Nicolaiov</b> , Adela Florea <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i> THE VEA TECHNIQUES, GARMENT MANUFACTURING SYSTEMS INNOVATION TOOL	
23. <b>Aristide Dodu</b> , Dorin Dan <i>Romanian Academy for Technical Sciences, Bucharest, Romania</i> THE EVOLUTION OF ROMANIAN TECHNICAL TERMINOLOGY IN THE KNITTING	
24. <b>Laura Macovei</b> , Constanța Comandar <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i> WEFT KNITTED STRUCTURES BASED ON BILATERAL STITCH TRANSFER	
25. <b>Emanuela Marin</b> <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i> STUDY REGARDING THE MECHANICAL BEHAVIOR OF HIGH PERFORMANCE FIBERS	
<b>17:30-18:00</b>	<b>POSTER SESSION 2</b> , Tex1, Ground Floor
1. <b>ELSAYED AHMED Elnashar</b> , <i>Faculty of Specific Education, Kafrelsheikh University, Egypt</i> SMART DIGITAL THICKNESS TEST METHOD® FOR KNITTING CLOTHES	
2. <b>Svetlana Cangas</b> , Viorica Cazac <i>Technical University of Moldova, Chishinau. R. Moldova</i> CHILDREN'S CLOTHING OF XIX CENTURY	
3. <b>Svetlana Cangas</b> , Viorica Cazac, <i>Technical University of Moldova, Chishinau R. Moldova</i> BALANCE ELEMENTS IN CHILDREN CLOTHING DURING THE BAROQUE TIME	
4. <b>Mariana Ursache</b> <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i> SEM INVESTIGATION ON DENIM FABRIC SURFACE AFTER RESIN BASED FINISHING TREATMENT	
5. Victoria Danila, <b>Stela Balan</b> <i>Technical University of Moldova, Chisinau, R. Moldova</i> IMPACT OF THE HUMANIZATION PROCESS ON PROFESSIONAL DEVELOPMENT A YOUNG ENGINEERS	
6. <b>Dan Dorin</b> <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i> REPRESENTATION OF THE KNITTED STRUCTURES USING A PERSONAL COMPUTER	
7. <b>Viorica Crețu</b> , Laura Macovei, Antonela Curteza <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i> PRESENT AND FUTURE FOR FUNCTIONAL AND SMART TEXTILES	
8. <b>Victor AMARANDEI</b> <sup>1</sup> , Carmen ZAHARIA <sup>2</sup> , Augustin MUREȘAN <sup>2</sup> <sup>1</sup> Doctoral School of FTPMI <sup>1,2</sup> "Gheorghe Asachi" Technical University of Iasi TEXTILE EFFLUENT CHARACTERISTICS, QUALITATIVE AND QUALITATIVE NORMS AND RECOMMENDATIONS FOR MIXED OR INDIVIDUAL FINAL TEXTILE EFFLUENTS TREATMENT	
9. <b>Cornelia Ionescu-Luca</b> , Răzvan Mocanu <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i> MANUFACTURING TEXTILES USED FOR WATERPOOF FOOTWEAR	
10. <b>Cornelia Ionescu-Luca</b> , Răzvan Mocanu	

<p><i>"Gheorghe Asachi" Technical University of Iasi, Romania</i>  <b>QUALITY CHARACTERISTICS OF MATERIALS USED IN FOOTWEAR INNER SOLE MANUFACTURING</b></p>
<p><b>11. Florentina Harnagea</b>, Marta-Catalina HARNAGEA  <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i>  <b>DIMENSIONAL FEATURES USED IN LEATHER BELTS DESIGN</b></p>
<p><b>12. Mariana Drișcu</b>  <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i>  <b>CRISPIN DYNAMICS 3D – SOLUTION FOR SHOEMAKERS</b></p>
<p><b>13. Liliana Lutic</b>, Elena Moisescu,  <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i>  <b>ASSESSING THE DURABILITY OF INTEGRATED KNITTED FABRICS USED FOR INTERIOR DESIGN</b></p>
<p><b>14. Liliana Lutic</b>, Elena Moisescu,  <i>"Gheorghe Asachi" Technical University of Iasi, Romania</i>  <b>ASSESSING THE QUALITY OF INTEGRATED KNITTED FABRIC USED FOR UPHOLSTERY</b></p>
<p><b>15. Petronela Avram</b><sup>1</sup>, Antonela Curteza<sup>1</sup>, Pramod Agrawal<sup>2</sup>, Ger Brinks<sup>2</sup>  <sup>1</sup><i>"Gheorghe Asachi" Technical University of Iasi, Doctoral School of FTPMI, Romania,</i> <sup>2</sup><i>Knowledge Centre, Design &amp; Technology, Enschede, Netherlands</i>  <b>FABRICATING MULTIFUNCTIONAL WOOL AND POLYESTER FABRICS</b></p>
<p><b>16. Ramona Boț-Budeanu</b><sup>1</sup>, Antonela Curteza<sup>1</sup>, Pramod Agrawal<sup>2</sup>, Ger Brinks<sup>2</sup>  <sup>1</sup><i>"Gheorghe Asachi" Technical University of Iasi, Doctoral School of FTPMI, Romania,</i> <sup>2</sup><i>Knowledge Centre, Design &amp; Technology, Enschede, Netherlands</i>  <b>ECO-FRIENDLY DYEING WITH COCHINEAL DYE ON HEMP FABRIC</b></p>
<p><b>17. Ramona Boț-Budeanu</b><sup>1</sup>, Antonela Curteza<sup>1</sup>, Pramod Agrawal<sup>2</sup>, Ger Brinks<sup>2</sup>  <sup>1</sup><i>"Gheorghe Asachi" Technical University of Iasi, Doctoral School of FTPMI, Romania,</i> <sup>2</sup><i>Knowledge Centre, Design &amp; Technology, Enschede, Netherlands</i>  <b>BIOTECHNOLOGY- THE USE OF ENZYME ON FLAX RETTING</b></p>
<p><b>18. Ramona Boț-Budeanu</b><sup>1</sup>, Antonela Curteza<sup>1</sup>, Pramod Agrawal<sup>2</sup>, Ger Brinks<sup>2</sup>  <sup>1</sup><i>"Gheorghe Asachi" Technical University of Iasi, Doctoral School of FTPMI, Romania,</i> <sup>2</sup><i>Knowledge Centre, Design &amp; Technology, Enschede, Netherlands</i>  <b>AN APPROACH OF DYEING WITH NATURAL DYES</b></p>
<p><b>19. Ovidiu Costandache</b><sup>1</sup>, Angela Cerempei, Rodica Mureșan  <i>"Gheorghe Asachi" Technical University of Iasi, <sup>1</sup>Doctoral School of FTPMI, Romania</i>  <b>ASPECTS REGARDING THE TINCTORIAL BEHAVIOR OF FIBERS DERIVED FROM VIRGIN AND RECYCLED PET</b></p>
<p><b>20. Tatiana Costandache</b><sup>1</sup>, Angela Cerempei, Ana Irina ECSNER<sup>2</sup> Rodica Mureșan  <i>"Gheorghe Asachi" Technical University of Iasi, <sup>1</sup>Doctoral School of FTPMI, <sup>2</sup>„Radu Cernatescu” Technological High-School of Iasi Romania</i>  <b>POSSIBILITIES OF PRINTING TEXTILE FABRICS WITH RED 48:2 PIGMENT</b></p>
<p><b>21. Corina Ciobanu</b><sup>1</sup>, Viorica Cretu, Costea Budulan  <i>"Gheorghe Asachi" Technical University of Iasi, <sup>1</sup>Doctoral School of FTPMI, Romania</i>  <b>RESEARCH ON FINISHING TREATMENTS SPORT SOCKS</b></p>
<p><b>22. Romulus BULACU</b><sup>1</sup>, Daniela FARIMA<sup>2</sup>, Iulian MANCASI<sup>3</sup>  <sup>1</sup><i>S.C.Minet S.A. Ramnicu-Valcea,</i> <sup>2</sup><i>"Gheorghe Asachi" Technical University of Iasi,</i> <sup>3</sup><i>S.C.Majutex S.R.L. Iasi Romania</i>  <b>POSSIBILITY OF OBTAINING NON-WOVENS WITH MEDICAL DESTINATION ON EXISTING INSTALLATIONS IN ROMANIA</b></p>
<p><b>23. Iulian Mancasi</b><sup>1</sup>, Daniela Farima<sup>2</sup>, Georgios Priniotakis<sup>3</sup>  <sup>1</sup><i>S.C.Majutex S.R.L. Iasi, Romania,</i> <sup>2</sup><i>"Gheorghe Asachi" Technical University of Iasi, Romania,</i> <sup>3</sup><i>Technological Education Institute, Piraeus</i>  <b>COMPARATIVE STUDY OF PROPERTIES YARN FROM FIBER 100% RENEWABLE BAMBOO BLENDED WITH COTTON</b></p>
<p><b>24. Marius Șuteu</b>, Ioan Oană, Dorina Oană  <i>University of Oradea, Romania</i>  <b>ANALYSIS OF QUALITY CHECKING DOCUMENTS USED FOR TEXTILE PRODUCTS PLANNING</b></p>
<p><b>25. Angela Scripcenco</b>, Julia Cealovskaia  <i>Technical University of Moldova, Chișinău, R.Moldova</i>  <b>DEVELOPMENT OF A RELATIONAL DATABASE MODEL OF TECHNOLOGICAL PROCESS OF WOMEN'S JACKETS PRODUCTION</b></p>
<p><b>26. Jana Carja</b>  <i>Technical University of Moldova, Chishinau. R. Moldova</i>  <b>TECHNOLOGICAL DESIGN OF WOMEN CLOTHES ASSEMBLIES FOR HOSPITAL CONDITIONS</b></p>





## Europe

### About Iasi

Situated in the North-East of Romania, between the Moldavian Plateau and Jijia Plain, on the River Bahlui, it used to be the crossing place of the most important commercial roads that passed through Moldavia coming from Poland, Hungary, Russia and Constantinople.

Archeological investigations attest the presence of human communities on the present territory of the city and around it as far back as the prehistoric age.

Iasi is considered as the most important cultural centre of the country even after Bucharest. It is in Iasi that the first Romanian university was founded in 1860 and at present, accommodates annually over 60,000 students in 5 public and 3 private universities. Iasi is home to more than 50 churches and hosts several cultural centers. The National Theater (the oldest in Romania), Opera House, Iași State Philharmonic, Tătărași Athenaeum, Central University Library (the oldest in Romania), the large number of museums and memorial houses, the famous Botanical Garden (the oldest and largest in Romania), the independent theater and several student organizations show the intense cultural life in the city.

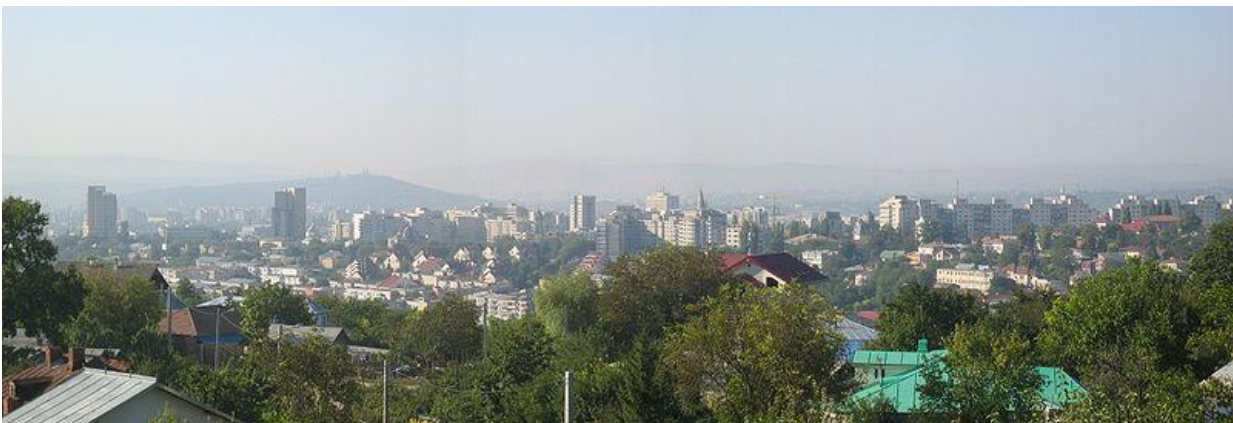


## Romania

## Iași

### Main sights

Iași is an outstanding educational center, and preserves some beautiful pieces of architecture, such as the Trei Ierarhi Church and the neo-Gothic Palace of Culture (the site of four museums - of History, of Technology, of Ethnography, and of Art).



Panoramic view over Iași



The Palace of Culture (1906–1925, designed in flamboyant neo-Gothic style)



“Trei Ierarhi” Church (1635–1639)



The Metropolitan Cathedral of Moldavia and Bukovina.

## Cultural life

One of the most important cultural centers, Iași has many theaters, museums, and the like.

The "Vasile Alecsandri" National Theater, opened in 1837 is the oldest National Theatre in Romania. The building, designed according to the plans of the Viennese architects Hermann Helmer and Ferdinand Fellner was built between 1894–1896, and also hosts starting 1956 the National Romanian Opera Iași.



National Theatre "Vasile Alecsandri"

The Palace of Culture hosts four museums:

The Art Museum has the largest art collection in Romania, with more than 8,000 paintings, out of which 1,000 belong to the national and universal patrimony.

The Moldavian History Museum offers more than 35,000 objects from various fields: archaeology, numismatics, decorative art, ancient books, documents etc.

The Ethnographic Museum of Moldavia owns more than 11,000 objects depicting the Romanian advance through the ages.

The Museum of Science and Technology offers many musical devices.

## Education and science

The first Technical High Education structure in Romanian language was established in the autumn of 1813, when engineer Gheorghe Asachi laid the foundations of a class of engineers, its activities taking place within the Greek Academy of Iași.

Iași is home to the oldest Romanian university (University of Iași), opened by (and nowadays named after) Domnitor Alexandru Ioan Cuza in 1860.

The city is host to five universities, and is widely regarded as the cultural "heart" of the Old Kingdom (that is Moldavia, Wallachia, and Dobruja - the three regions comprising Romania until 1918).

In 1937, the two applied science sections of the university of Iași became departments of the newly created Gheorghe Asachi Polytechnic School; In the period before and after World War II, the later (renamed Polytechnic Institute in 1948) extended its domain of activity, especially in the field of engineering, and became adopted a Technical University in 1993.

Public Universities in Iasi:

"Al. I. Cuza" University

"Gheorghe Asachi" Technical University of Iasi

"Gr. T. Popa" University of Medicine and Pharmacy

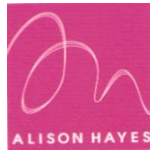
"G. Enescu" University of Arts

"Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine.

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