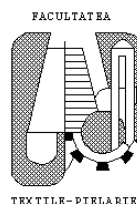


## Main organizer:



**„GH.ASACHI” TECHNICAL  
UNIVERSITY – Iași, Romania**



**FACULTY OF TEXTILE AND  
LEATHER ENGINEERING**

## Under the auspices of:



**MINISTRY OF EDUCATION  
AND RESEARCH**



**ROMANIAN ACADEMY OF  
TECHNICAL SCIENCES**

## Co-organizers:



**The Research-Development  
National Institute for Textile  
and Leather**



**The General Association of the  
Engineers in Romania**



**National Institute of  
Inventics, Iași**



**Employers'  
Federation of Light  
Industry – FEPAIUS**



**The Association of the  
Faculty of Textile and  
Leather Engineering  
Graduates**

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Inf. Carmen Anton

## Conference Programme - on short -

### Wednesday, 17 October 2007

Participants arrival, registration and accommodation		
17:00 – 19:00	<b>Registration</b>	Faculty of Textile and Leather Engineering, TEX 1 (Main Building), Bd. D. Mangeron nr.53
19:00 – 21:00	<b>Welcome reception</b>	

### Thursday, 18 October 2007 – Day 1

#### Morning Session: 8.00 – 14.00

Location: “Gh.Asachi” Aula, "Gh. Asachi" Technical University, Bd. Carol I nr.11

8:00 – 10:00	<b>Registration</b>
10:00 – 10:20	<b>Opening Ceremony</b> - Welcoming remarks - Organizing remarks
10:20 – 11:50	<b>Plenary session I</b> Chair: Prof.dr.eng. Romen Butnaru
11:50 – 12:20	<b>COFFEE BREAK</b>
12:20 – 14:00	<b>Plenary session II</b> Chair: Dr.eng. Emilia Visileanu
14:00– 15:20	<b>Lunch break</b>

#### Afternoon Session: 15.20 – 18.30

Locations: 1. Faculty of Textile and Leather Engineering, Tex 1. and Tex 5 Buildings  
2. Faculty of Textile and Leather Engineering, Tex. 6. Building  
3. Faculty of Chemical Engineering, Ch. Building

#### 15:20 – 16:40 PARALLEL SESSIONS I: Sections 1 to 7

SECTION 1		Location
15:20 -16:00	<b>Round Table : “ DESIGN OF THE TEXTILE PRODUCTS “</b> <b>Moderators:</b> <b>Elena BASSO</b> , president of Asociation of Design for Textile, Clothing and Leather <b>Eng. Maria GRAPINI</b> , president of Employers’ Federation of Light Industry - FEPAIUS	Tex 5 Auditorium
16:00 - 16:40	<b>FASHION DESIGN AND PRODUCT DEVELOPMENT (TT)</b> Moderator: Prof.Dr. Daniel CHINCIU	

SECTION 2		Location
15:20 – 16:40	<b>NEW MATERIALS FOR INNOVATIVE TEXTILES</b> Moderator: Prof. Dr. Costea Budulan	Tex.1 Auditorium
SECTION 3		Location
15:20 -16:40	<b>DESIGN AND TECHNOLOGY OF FOOTWEAR AND LEATHER GOODS</b> Moderators: Prof. Dr. Gabriela Mălureanu, Assoc. Prof. Dr. Drișcu Mariana	Tex 6/SP1
SECTION 4		Location
15:20 -16:40	<b>ADVANCES AND PROSPECTS IN LEATHER PROCESSING</b> Moderator: Prof. Dr. Nicoale Badea	Ch. – Lab.11.
SECTION 5		Location
15:20 -16:40	<b>DEVELOPMENTS IN TEXTILE CHEMISTRY</b> Moderators: Assoc. Prof. Dr. Radu Cezar, Assoc. Prof. Dr. Darko Golob	Tex.1, Council Room
SECTION 6		Location
15:20 -16:40	<b>MANAGEMENT</b> Moderator: Assoc. Prof. Dr. Ion Verzea	Tex 1, 308
SECTION 7		Location
15:20 -16:40	<b>ECONOMY AND MARKETING</b> Moderator: Prof. Dr. Rodica BOIER	Tex 1, Lab. Ec. & Marketing
16:40 – 17:00	<b>Coffee break</b>	
17:00 – 18:30	<b>Parallel sessions II: Sections 1 to 7</b>	
SECTION 1		Location
17:00 – 18:30	<b>FUNCTIONAL TEXTILES AND RELATED PROCESSES</b> Moderator: Prof. Dr. Eftalea CARPUS	Tex 5
SECTION 2		Location
17:00 – 18:30	<b>a) FASHION DESIGN AND PRODUCT DEVELOPMENT</b> <b>b) FUNCTIONAL TEXTILES AND RELATED PROCESSES</b> Moderators: Prof.Dr. Ecaterina Pintilie, Assoc.Prof.Dr. Stela Balan	Tex 1 Audithorium
SECTION 3		Location
17:00 – 18:30	<b>DESIGN AND TECHNOLOGY OF FOOTWEAR AND LEATHER GOODS</b> Moderators: Prof.Dr. Mălureanu Gabriela, Lecturer Dr. Aura Mihai	Tex 6/SP1

SECTION 4		Location
17:00 – 18:30	<b>ADVANCES AND PROSPECTS IN LEATHER PROCESSING</b> Moderator: Prof. .Dr. Nicoale Badea	Ch. – Lab.11

SECTION 5		Location
17:00 – 18:30	<b>DEVELOPMENTS IN TEXTILE CHEMISTRY</b> Moderators: Prof.dr. Ana Marija Grancaric, Prof. Dr. Augustin Mureşan	Tex.1, Council Room

SECTION 6		Location
17:00 – 18:30	<b>MANAGEMENT</b> Moderator: Prof.Dr. Costache Rusu	Tex 1, 308

SECTION 7		Location
17:00 – 18:30	<b>ECONOMY AND MARKETING</b> Moderator: Assoc. Prof. Mihai IRIMIA	Tex 1, Lab. -Ec. & Marketing

20:00 – 23:00	<b>Conference Cocktail, “Carafa” Restaurant, “Iulius Mall”, 1-st floor</b>	
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**Friday, 19 October 2007 – Day 2**

**Morning Session: 8.30 – 13.10**

Location: “I.C.Ştefănescu” Auditorium, Faculty of Textile and Leather Engineering,

PLENARY SESSION:		Location
8:30 – 10:30	<b>COMPANIES’ PRESENTATIONS</b> Moderators: Prof.dr. Romen Butnaru, Prof.dr. Ecaterina Pintilie	Tex.1. Auditorium

10:30 – 10:50	<b>Coffee break</b>
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10:50 – 12:30	<b>Parallel sessions: Sections 1 to 9</b>
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SECTION 1		Location
11:10 – 12:40	<b>NEW MATERIALS AND INNOVATIVE TEXTILES</b> Moderator: Prof.Dr. Dorin Avram	Tex 5

SECTION 2		Location
11:10 – 12:40	<b>a) FUNCTIONAL TEXTILES AND RELATED PROCESSES; b) IT APPLICATIONS IN TEXTILE AND LEATHER FIELD;</b> Moderator: Prof.Dr. Mihai Ciocoiu	Tex 5, 1-st floor,

SECTION 3		Location
11:10 – 12:40	<b>FASHION DESIGN AND PRODUCT DEVELOPMENT</b> Moderators: Prof.Dr. M.Cetin Erdogan, Assoc.Prof.Dr. Carmen Loghin	Tex 1 Auditorium

SECTION 4		Location
11:10 – 12:40	<b>DESIGN AND TECHNOLOGY OF FOOTWEAR AND LEATHER GOODS</b> Moderators: Assoc.Prof. Rodica Volocariu, Lecturer Dr.eng. Liviu Mărcuș	Tex 6/SP1
SECTION 5		Location
11:10 – 12:40	<b>ADVANCES AND PROSPECTS IN LEATHER PROCESSING</b> Moderator: Prof.Dr. Nicolae Badea	Ch. – Lab.11
SECTION 6		Location
11:10 – 12:40	<b>a) DEVELOPMENTS IN TEXTILE CHEMISTRY; b) ENVIRONMENTAL TOPICS IN TEXTILES AND LEATHER INDUSTRY</b> Moderator: Prof.dr. Berteau Andrei	Tex.1, Council Room
SECTION 7		Location
11:10 – 12:40	<b>MANAGEMENT</b> Moderator: Assoc.Prof. Dr. Silvia Avasilcăi	Tex 1, 308
SECTION 8		Location
11:10– 12:40	<b>ECONOMY AND MARKETING</b> Moderator: Prof.Dr. Vasile Munteanu, Prof. Dr. Mariana Bucur-Sabo	Lab. Ec.& Marketing
POSTER SESSIONS 1 and EXHIBITION		Location
12:40 – 13:10	<b>POSTER SESSIONS:</b> a) Topics 1, 2, 5 b) Topic 7	a)Tex.1. b) Ch. Building
	<b>EXHIBITION</b> "Ancient Cucutenian Ornaments Develop for Bi-Dimensional Textile Patterns" I.Arnautu, S. Mihuleac, M.Oboroceanu, V. Radu	Tex.1. Lab.1/ ST
13:10 – 14:10	<b>Lunch break</b>	
<b>Afternoon Session: 14.10 – 16.30</b> <b>Location:</b> Faculty of Textile and Leather Engineering, Bd. D. Mangeron nr.53, TEX 1		
14.10 – 15.40	<b>Parallel session: Sections 1 to 4</b>	
SECTION 1		Location
14.10 – 15.40	<b>NEW MATERIALS FOR INNOVATIVE TEXTILES</b> Moderator: Prof.Dr.ing. Maria VILCU	Tex 5 Auditorium
SECTION 2		Location
14.10 – 15.40	<b>MACHINERY DEVELOPMENTS IN TEXTILE AND LEATHER FIELD</b> Moderator: Prof.Dr.ing Dumitru LIUTE	Tex 5 1-st floor

SECTION 3		Location
14.10 – 15.40	<b>a) FUNCTIONAL TEXTILES AND RELATED PROCESSES</b> <b>b) MACHINERY DEVELOPMENTS</b> Moderators: Prof. Dr. Ivan Ivanov, Assoc.Prof. Mirela Blaga	Tex.1. "IC Stef." Auditorium

SECTION 4		Location
14.10 – 15.40	<b>DESIGN AND TECHNOLOGY OF FOOTWEAR AND LEATHER GOODS</b> Moderators: Assoc.prof.dr. Volocariu Rodica, Lecturer dr. Liviu Mărcuș.	Tex 6/SP1

15:40 – 16:00	Coffee break
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POSTER SESSION 2 and EXHIBITION		Location
16:00 – 16:30	<b>POSTER SESSION: Topics 3, 4, 6, 9</b> <b>EXHIBITION:</b> <b>" Ancient Cucutenian Ornaments Develop For Bi-Dimentional Textile Patterns "</b> I.Arnautu, S.Mihuleac, M.Oboroceanu, V.Radu	a)Tex.1. Tex.1. Lab.1/ ST

16:30 - 17.00	Break
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17.00 – 24.00	<b>Traditional Evening, "Hanul Răzeșilor" Inn, (Optional*)</b> Location: E85, at Km 332 Departure by bus from Faculty of Textile and Leather Engineering, Bd. D. Mangeron nr.53, Departure time – 17.00
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\*The participation to the **Traditional Evening** is optional. It costs approx. **35 EUR** (not included in the Conference fee). Registration and payment may be done upon arrival.

### Saturday, 20 October 2007 – Day 3

8:30 – 10:30	<b>PLENARY SESSION:</b> <b>IT APPLICATIONS IN TEXTILE AND LEATHER FIELD</b> Moderators: Prof.Dr. Ioan Cioară, Assoc.Prof.dr. Mariana Ursache	Tex.1
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10:30 – 11:00	Coffee break
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10:30 – 11:00	<b>EXHIBITION:</b> <b>"Ancient Cucutenian Ornaments Develop For Bi-Dimentional Textile Patterns"</b> I.Arnautu, S.Mihuleac, M.Oboroceanu And V.Radu	Tex 1 Lab.1. / ST
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11:00 – 12:00	<b>CLOSING SESSION:</b> <b>Closing Remarks from the Chair and Conference Close</b>	Tex.1
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13:00 – 15:00	Lunch break
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15:00 – 20:00	City Sightseeing
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**Sunday, 21 October 2007**

**Participants' departure**



## Conference Programme

**Wednesday, 17 October 2007**

Participants arrival and accommodation		
17:00 – 19:00	<b>Registration</b>	Faculty of Textile and Leather Engineering, TEX 1 (Main Building), Bd. D. Mangeron nr.53
19:00 – 21:00	<b>Welcome reception</b>	

**Thursday, 18 October 2007**

**Morning Session: 8.00 – 14.00**

Location: “Gh.Asachi” Aula, "Gh. Asachi" Technical University, Bd. Carol I nr.11

8:00 – 10:00	<b>Registration</b>
10:00 – 10:20	<b>Opening Ceremony</b> - Welcoming and organizing remarks
10:20 – 11:50	<b>Plenary session I</b> Chair: Prof.dr.eng. Romen Butnaru
	<b>1. Romanian National Research-Development Programme</b> Representative on behalf of the Ministry of Education, Research and Youth - National Authority for Scientific Research <b>2. Research as a Factor of Increasing the Textile Industry Competitiveness</b> Dr.eng. Emilia Visileanu, INCDTP – Bucharest, Romania <b>3. Human Resource – An Important Factor For the Change</b> Dipl. Eng. Maria Grapini – President of Pasmatex Group Timisoara, President of FEPAIUS, Romania <b>4. European Technological Platform for Footwear (ETPF)</b> Mr. Martin Kopac, President of ETPF
11:50 – 12:20	<b>COFFEE BREAK</b>
12:20 – 14:00	<b>Plenary session II</b> Chair: Dr.eng. Emilia Visileanu
	<b>1. Technological Developments and Organizational Change</b> Prof.dr.eng.Costache Rusu, “Gh.Asachi” Technical University, Iași, Romania <b>2. FP 7 and European Textiles: Foreseeing the Future with Confidence</b> Maria Sava, “Gh.Asachi” Technical University, Iași, Romania <b>3. Surviving the Chinese Sindrom: High Productivity in Short Series Manufacturing</b> Pierre Ouvrard, G Services (Gescom), France <b>4. “ Nano” - World of Clariant</b> Vladimir PACALT, Clariant Ltd., Viena, Austria <b>5. Romanian Standards Association – ASRO</b> Ștefania Luminița Cârstea - ASRO, Romania
14:00– 15:20	<b>Lunch break</b>

**Afternoon Session: 15.20 – 18.30**

Locations: 1. Faculty of Textile and Leather Engineering, Tex 1. and Tex 5 Buildings  
 2. Faculty of Textile and Leather Engineering, Tex. 6. Building  
 3. Faculty of Chemical Engineering, Ch. Building

15:20 –16:40 **Parallel sessions I: Sections 1 to 7**

<b>SECTION 1</b>		<b>Location</b>
15:20 -16:00	<b>Round Table : “ DESIGN OF THE TEXTILE PRODUCTS “</b> Moderators: Mrs. Elena BASSO, president of Asociation of Design for Textile, Clothing and Leather Eng. Maria GRAPINI, president Employers' Federation of Light Industry - FEPAIUS	Tex 5 Auditorium
16:00– 16:40	<b>FASHION DESIGN AND PRODUCT DEVELOPMENT</b> Moderator: Prof.Dr. Daniel CHINCIU	

**1. The Modularity Principle in Ornamental Design for The Bi-Dimensional Textile Patterns**

Irina Arnăutu,

„Gh. Asachi” Technical University of Iasi, Romania

**2. The Characteristics of Woven Fabrics for Electrostatic Protective Clothing**

Lucica Cioară, \*I. CIOARĂ, \*ELENA ONOFREI, \*\*DOINA TOMA

\*“Gh. Asachi” Technical University, Iasi, \*\* INCDTP Bucharest, Romania

**3. The Structure Characteristics- Resources for Woven Fabric Design**

Lucica Cioară, Elena Onofrei, Ioan Cioară

“Gh. Asachi” Technical University, Iasi, Romania

**4. The Structural and Technological Design of The 3d Textile Braids**

\*Ioan Cioară, Lucica Cioară, \*\*ISAR DANIELA

“Gh. Asachi” Technical University, Iasi, \*\* INCDTP Bucuresti, Romania

**5. The Hairiness of Cotton Yarns Processed through Different Spinning Systems**

Rodica HARPA,

„Gh. Asachi” Technical University of Iasi, Romania

**6. Optimization of Cotton Yarns Quality by Mean Off-Line Control**

Rodica HARPA, Irina CRISTIAN , Cristina PIROI

„Gh. Asachi” Technical University of Iasi, Romania

<b>SECTION 2</b>		<b>Location</b>
15:20 –16:40	<b>NEW MATERIALS FOR INNOVATIVE TEXTILES</b> Moderator: Prof.Dr. Costea Budulan	Tex.1 Auditorium

**1. The International Federation of Knitting Technologists at Half Century**

\*Aristide Dodu, \*\*Dorin Dan

IFKT – National Section of Romania

\* Honorary President of IKKT- Romanian Section, \*\* Vice-President of IKKT- Romanian Section

**2. Welt Structures for Knitted Fabrics Produced on Flat Machines for Garments**

Constanța Comandar, Luminița Ciobanu

“Gh. Asachi” Technical University, Iași, Romania

**3. Welt Knitted Fabrics for Bandages**

Ciobanu, L.<sup>1</sup>, Macovei, L.<sup>1</sup>, Ene, A.<sup>2</sup>, Ciocoiu, M.<sup>1</sup>  
<sup>1</sup> "Gh. Asachi" Technical University Iasi, <sup>2</sup> INCDTP Bucuresti, Romania

**4. Research Concerning the Designing of Orthopedic Articles**

Tulbure Ancuta, Neagu Gabriela, Budulan Costea,  
 „Gh. Asachi” Technical University of Iasi, Romania

**5. Research Upon the Porosity of Weft Knits**

Tulbure Ancuta, Giugaru Beatrice, Budulan Costea,  
 „Gh. Asachi” Technical University of Iasi, Romania

**6. Research upon the Knittings Fabrics Used in Geotechnics**

Urzica Cristina, Tulbure Ancuta, Bran Corina,  
 „Gh. Asachi” Technical University of Iasi, Romania

**7. Research Regarding Micro-Encapsulation Process**

Marius Butuc, Costea Budulan, Ancuța Tulbure, Cezar Doru Radu  
 "Gh. Asachi" Technical University, Faculty of Textile and Leather Engineering, Iasi,  
 Romania

SECTION 3		Location
15:20 -16:40	<b>DESIGN AND TECHNOLOGY OF FOOTWEAR AND LEATHER GOODS</b> Moderators: Prof.Dr. Gabriela Mălureanu, Assoc. Prof.dr. Drișcu Mariana	Tex 6/SP1

**1. A Unique Tripod Model in Leather Technology Education**

Vinodhkumar Marudhamuthu, Sadulla Sayeed  
 Central Leather Research Institute, Chennai, India

**2. A Study into The Link Between Personal Development Planning and Curriculum in Shoe Design Training**

\*Aura Mihai, \*\*Mehmet Şahin  
 \* "Gh Asachi" Technical University Of Iasi, Romania,  
 \*\* Selcuk University, Technical Science College, Turkey

**3. Considerations on the Development of Military Footwear Intended to be Used in Desert Areas**

Maria Vidru  
 The Research-Development National Institute for Textile and Leather, Bucharest  
 Division-Leather and Footwear Research Institute, Bucharest

**4. Elaboration of Assessment Methodology of Performances Military Footwear Intended to be Used in Desert Areas**

Maria Vidru  
 INCDTP-ICPI, Bucharest, Romania

**5. Influence Of Leg Biomechanics on Footwear Design**

Ana Maria Vasilescu, Gheorghe Berijan, Bujorel Jidiuc –  
 INCDTP-ICPI, Bucharest, Romania

**7. The Constructive and Technological Development of The Leather Goods**

Florentina Harnagea  
 "Gh. Asachi" Technical University Iasi, Romania

SECTION 4		Location
15:20 -16:40	<b>ADVANCES AND PROSPECTS IN LEATHER PROCESSING</b> Moderator: Prof. Dr. Nicoale Badea	Ch. – Lab.11.

### 1. Contribution to Development of Special Leather to Be Used in The Restoration of Historical Objects

\* Viorica Deselnicu, \*\*S.S. Maier, \*\*\*Adriana Ioniuc, \*\*\*Maria Geba, Luminita Albu, \*\*\*Nicoleta Melniciuc, \*\*Dana Corina Deselnicu  
\*INCDTP-ICPI, Bucharest, \*\*\*"Gh Asachi" Technical University, Iasi, \*\*\* "Moldova" National Museal Complex, Iasi, \*\*\*Al. I. Cuza University, Iasi, Romania

### 2. New Treatments for Quality Improvement of Medical Sheepskins

Carmen Gaidău, Victoria Plavan, Doina Lupulescu, M. Crudu, Lucreția Miu,  
INCDTP-ICPI, Bucharest, Romania

### 3. Development of Newer Composite Material From Leather Waste for Footwear Application

\*S. Mathivanan, \*T.P. Sastry, \*R. Mohan, \*Anitha, \*B.N. Das, \*S. Sadulla,  
\*Central Leather Research Institute, Adyar, Chennai, **India**

### 4. Tanning Compounds Obtained From Titanium and Alloy Industry Wastes

\*Crudu M., \*\*Roșca I., \*\*Sutiman D., \*\* Căilean A., \* Ghiga Mihaela, \*Bocu Veronica  
\*INCDTP – ICPI, Bucharest, \*\* "Gh. Asachi" Technical University of Iasi, Romania

### 5. 6-Substituted 2-Aminobenzothiazole Derivatives in Shape of Sulphonic Acids Used as Antigungal Compounds

\* Maria-Marcela Țârlea, \*\*Nicoleta Burunția  
\* INCDTP – ICPI, Bucharest,  
\*\* R&D National Institute for Electrical Engineering, Bucharest, Romania.

### 6. The Stage of Colorimetry Application in the Leather Field

\* Maria Marcela Țârlea, \*\* Gh. Ilie  
\* INCDTP – ICPI, Bucharest, Romania, \*\* DATA VISION SRL Bucharest, Romania

SECTION 5		Location
15:20 -16:40	<b>DEVELOPMENTS IN TEXTILE CHEMISTRY</b> Moderators: Assoc.prof.dr. Radu Cezar, Assoc.prof.dr. Darko Golob	Tex.1, Council Room

### 1. UV Protection with Zeolite Treated Cotton Fabric –The Influence of Yarn Linear Density

Ana Marija GRANCARIC, Anita TARBUK, Lea MARKOVIĆ,  
Faculty of Textile Technology, University of Zagreb, Croatia

### 2. Modelling of Advanced Oxidation Decolouration H<sub>2</sub>O<sub>2</sub>/UV Process

Alenka Majcen Le Marechal<sup>(a)\*</sup>, Darinka Brodnjak Voncina<sup>(b)</sup>, Darko Golob<sup>(a)</sup>, Nina Novak<sup>(a)</sup>  
<sup>(a)</sup>University of Maribor, Faculty of Mechanical Engineering, Department of Textile Materials and Design, Maribor, Slovenia<sup>(b)</sup>University of Maribor, Faculty of Chemistry and Chemical Engineering, Maribor, Slovenia

### 3. Effect of Various Piece-Washings on Seams Durability Appearance and Efficiency of Denim Products

T.S. Said<sup>1</sup>, N.M. Hafez, and B.G. Gabr  
<sup>1</sup>Textile Dept, Faculty of Applied Arts, Helwan University, <sup>2</sup>Department of Apparel Design and Technology, Faculty of Applied Arts, Helwan University, Orman, Cairo - EGYPT

### 4. Studies on Plasma Irradiation Influence onto Textile Cellulosic Supports Belonging to Cultural Heritage Objects

Narcisa Vrinceanu<sup>a\*</sup>, Aurelia Grigoriu<sup>b</sup>, Ciovea Sorin<sup>c</sup>, Ghiocel Ioanid<sup>d</sup>, Dorina Parpauta<sup>e</sup>, Diana bn<sup>a\*</sup>, Ana Maria Grigoriu<sup>c</sup>, Vasile Blascu<sup>b</sup>  
<sup>a</sup>"Lucian Blaga" University, Sibiu, <sup>b</sup>"Gh. Asachi" Technical University Iași, <sup>c</sup>"P. Poni" Macromolecular Chemistry Institute, Iasi, <sup>d</sup>- "Gh. Asachi" Technical University, Faculty of Industrial Chemistry, Iasi, <sup>e</sup>- Culture Palace, "Moldova" Museum Laboratory, Iasi, Romania

### 5. The New Concept REACH and Necessity to Its Knowledge by all European Producers,

Liliana Enache,  
Intertek Labtest, Bucharest, Romania

SECTION 6		Location
15:20 -16:40	<b>MANAGEMENT</b> Moderator: Assoc. Prof.Dr. Ion Verzea	Tex 1, 308

### 1. Changes in the Structure of Industrial Corporations in Response to Competing Market's Dynamics

\*Gherghel Sabina, \*Indrie Liliana, \*Andreescu Nicoleta  
\*University of Oradea, Romania

### 2. Reengineering Correlations - Risk at the Level of Designing the Industrial Systems Integrated into Competing Markets

\*Gherghel Sabina, \*Indrie Liliana, \*Andreescu Nicoleta  
\*University of Oradea, Romania

### 3. The Management of Maintenance Technical Systems Using the Experience Feed-Back

\*Mohamed Benidir, \*Rachid Chaib, \*\*Ion Verzea  
\*Mentouri University, Constantine, Algeria, \*\*"Gh. Asachi" Technical University of Iasi, Romania

### 4. The Management of the Industrial Maintenance by the Failure

\*Rachid Chaib, \*Mohamed Benidir, \*\*Ion verzea  
\*Mentouri University, Constantine, Algeria, \*\*"Gh. Asachi" Technical University of Iasi, Romania

### 5. The Assessment of the "Raw Materials and Spare Parts Administration" Module used by the Informatics Systems for Computer Aided Maintenance Management

\*Ion Verzea, \*Gabriel-Petru Luca, \*\*Rachid Chaib, \*\*Mohamed Benidir  
\* "Gh. Asachi" Technical University of Iasi, Romania \*\* Mentouri University, Constantine, Algeria

### 6. The Role and Place of Cultural Diagnosis in Higher Education Management

\*Daniela Şuteu, \*Carmen Aida Huţu  
\* "Gh. Asachi" Technical University, Iasi, Romania

SECTION 7		Location
15:20 -16:40	<b>ECONOMY AND MARKETING</b> Moderator: Prof. Dr. Rodica BOIER	Lab. Ec. & Mark.

### 1. Revivification Possibilities of The Flax -Hemp Industrial Sector In Romania

Ilinca Nicolaescu , Camelia Trofin  
S.C. "I.P.I.U. - Consulting Engineering" - S.A Bucharest - Technological Projecting Institute for the Light Industry (I.P.I.U.) Romania

### 2. Marketing Research in Mass-Customization

Rodica Boier  
"Gh. Asachi" Technical University, Iasi, Romania

### 3. Trends About Wool Industrial Sector Evolution

Ilinca Nicolaescu<sup>1</sup>, Camelia Trofin<sup>1</sup>, Aurel Bria<sup>2</sup>  
<sup>1</sup>S.C. "I.P.I.U. - Consulting Engineering" - S.A Bucharest - Technological Projecting Institute for the Light Industry (I.P.I.U.) Romania, <sup>2</sup>ECOM TRANSILVANIA

### 4. The Linear Pattern of Maximizing The Profit of a Manufacturer

Cristina Maria Stoica  
The Institute of European Studies "Ştefan Lupăşcu" Iaşi, Romania

### 5. European Union and Regional Policy

Theodor -Cătălin Mihăilă  
"Gh. Asachi" Technical University, Iasi, Romania

## 6. The Consumer's Reaction Regarding the Modification of the Income

Cristina Maria Stoica

*The Institute of European Studies "Ștefan Lupașcu" Iași, Romania*

16:40 – 17:00 **Coffee break**

17:00 – 18:30 **Parallel sessions II: Sections 1 to 7**

SECTION 1		Location
17:00 – 18:30	<b>FUNCTIONAL TEXTILES AND RELATED PROCESSES</b> Moderator: Prof.Dr. Eftalea CARPUS	Tex 5 Auditorium

### 1. The Role of the Convergent Technologies in Accomplishing the Textiles Meant for Monitoring the Personalized Information

Carpus Eftalea\*, Dorogan Angela\*, Scarlat Razvan\*, Popa Alexandru\*\*

*\*The Research-Development National Institute for Textile and Leather, \*\* Aurel Vlaicu University*

### 2. The Study on Behaviour to Exploiting Stresses of Technical Textiles For the Automotive Industry

Diana Coman\*\*, Aurelia Grigoriu, \* \*Narcisa Vrînceanu, \* \* Claudia Diac

*\* "Lucian Blaga" University, Sibiu, Romania, \*\* "Gh. Asachi" Technical University, Iasi, Romania*

### 3. Statistical Thinking – Premise of Quality Assurance in Spinning Mills

Ana Lacramioara Leon,

*„Gh. Asachi" Technical University of Iasi, Textile Engineering Faculty*

### 4. Eco-Textiles in Relation With Total Quality Philosophy

Ana Lacramioara Leon,

*"Gh. Asachi" Technical University of Iasi, Textile Engineering Faculty*

SECTION 2		Location
17:00 – 18:30	<b>a) FASHION DESIGN AND PRODUCT DEVELOPMENT; b) FUNCTIONAL TEXTILES AND RELATED PROCESSES;</b> Moderators: Prof.Dr. Ecaterina Pintilie, Assoc.prof.dr. Stela Balan	Tex 1 Auditorium

### 1. The Application of Development Concept of Product in Designing of Industrial Systems of Garment Models

Balan Stela, Tutunaru Irina, Irovan Marcela,

*Technical University of Moldova, Chisinau*

### 2. Designing Technologies of Industrial Garment Models Systems on The Basis of Alternative Search Method

Irovan Marcela, Balan Stela, Tutunaru Irina,

*Technical University of Moldova, Chisinau*

### 3. The Development of Principles of Personalized Designing of Garments in the Conditions of Industrial System of Fabrication

Tutunaru Irina, Irovan Marcela, Balan Stela,

*Technical University of Moldova, Chisinau*

### 4. Some Aspects of Designing of Clothes for Future Mothers

Billevici Alla,

*State University of Technologies and Design, Kiev, Ukraine*

## 5. Relationship Between Fabrics And Shapes in Fashion Design

Mioara Crețu, Emilia Filipescu

„Gh. Asachi”, Technical University, Iași, Romania

## 6. Clothes Design Automation on Windows Platform Using Activex Automation Technology

Alexandru Diordiev, Olea Ceban

Technical University of Moldova, Chisinau

## 7. DMM Pattern Design CAD/CAM, Software for Automatic Clothes Design

Manuela Diaconu\*, Ecaterina Pintilie\*, Manuela Avadanei\*, Marius Diaconu\*\*

\* “Gh.Asachi” Technic University, Iasi, \*\*SC Diaman Art SRL Iasi, Romania

SECTION 3		Location
17:00 – 18:30	<b>DESIGN AND TECHNOLOGY OF FOOTWEAR AND LEATHER GOODS</b> Moderators: Prof.Dr. Mălureanu Gabriela, Lecturer Dr. Aura Mihai	Tex 6/SP1

### 1. Recording the Shapespacial of the Klast Format 'Point Cloud Data'

Mariana Drișcu , Aura Mihai

“Gh Asachi” Technical University of Iasi, Romania

### 2. Creating the 3D Solid Form of the Last Siutable for Footwear Design

Mariana Drișcu, Aura Mihai

“Gh Asachi” Technical University of Iasi, Romania

### 3. Contributions to the Constructive - Diversification of Footwear and the Elaboration of the Data File, Necessary for The Automatic Selection of the Technological Process

Liviu Mărcuș, Rodica Silvia Volocariu -

“Gh Asachi” Technical University of Iasi, Romania

### 4. Analysis of the Footwear Attributes, Characteristics and Requirements in Context of New Product Strategy

A.Dragomir, Aura Mihai

“Gh Asachi” Technical University of Iasi, Romania

### 5. A New Footwear Product – The Ecological Concept

Alina Dragomir, Aura Mihai

“Gh.Asachi” Technical University, Iași, Romania;

SECTION 4		Location
17:00 – 18:30	<b>ADVANCES AND PROSPECTS IN LEATHER PROCESSING</b> Moderator: Prof. Dr. eng. Nicoale Badea	Ch. /Lab.11

### 1. Formulation of Quaternary Mixtures of Film-Forming and Adjuvant Agents, With Applications in Leather Finishing

Vasilica Maier, Stelian Sergiu Maier, Monica Colț

“Gh. Asachi” Technical University Of Iasi, Romania

### 2. Formulation of Ternary Pigment Pastes Containing Collagenous Carriers

Vasilica Maier, Stelian Sergiu Maier

“Gh. Asachi” Technical University of Iasi Romania

### 3. Dyeing of Activated Chrome Tanned Leather With Dyes Mixtures - I. Influence of Tanned Leather Activation Upon the Cross-Section Penetration Of Dyes

\* S. Măleanu, \*\*Melinda Pruneanu, \*\*N. Badea

\* S.C. Hmc Chemtrade S.R.L Tg. Mures, Romania

\*\* Gh. Asachi” Technical University Of Iasi, Romania

### 4. Dyeing of Activated Chrome Tanned Leather With Dye Mixtures - II. Influence of Dye

**Mixture Composition Upon The Cross – Section Penetration of Leather**

\*A. S. Măleanu, \*\*N. Badea, \*\*Melinda Pruneanu, \*\*A.A. Măleanu

\*S.C. Hmc Chemtrade S.R.L Tg. Mures, Romania

\*\* Gh. Asachi" Technical University of Iasi, Romania

**5. Technological Surveillance Data As Nonlinear Time Series. Applications In Fur Processing**

Stelian Sergiu Maier, Nicolae Badea

Gh. Asachi" Technical University of Iasi, Romania

**6. Wavelet Analysis for Technological Surveillance Data. A Case Study**

Stelian Sergiu Maier, Nicolae Badea

\* Gh. Asachi" Technical University of Iasi, Romania

SECTION 5		Location
17:00– 18:30	<b>DEVELOPMENTS IN TEXTILE CHEMISTRY</b> Moderators: Prof.dr. Ana Marija GRANCARIC, Prof. Dr. Augustin Mureşan	Tex.1, Council Room

**1. Discontinuous Pretreatment, BEZEMA-initiative for Cost Reduction in the Fields of the Pretreatment and Dyeing,**

Bildstein Gerhard

CHT, Bezema, Switzerland

**2. The Influence of Knitted Structures on Pressure Exert by Medicine Stockings on Legs with Chronical Venous Insufficiency**

Radu,C.D., Tulbure, E.A., Agafitei, Gh. C., Piroi and C., Harpa R.,

"Gh. Asachi" Tehnical University of Iasi, Romania

**3. Microcapsules and Their Behaviour on Medicinal Stockings,**

Radu, C.D.,Nichifor,M., Tulbure, E.A., Agafitei, Gh. C., Popescu, V. and Piroi, C.,

"Gh.Asachi" Tehnical University of Iasi, Romania

**4.The Chitosan Treatment and Dyeing with Reactive Dyestuffs of Acrylic Fibers**

Vasilica Popescu, Cezar-Doru Radu

Technical University „Gh. Asachi” Iasi, Romania

**5. Optimum Condition in Thermal and Heating Treatment of Sewing Details**

Hristo Petrov,

Technical University of Sofia, Bulgaria

**6. An Initial Investigation into the Cleaning of New and Naturally aged Cellulosic Supports using Laser Radiation,**

\*Narcisa Vrinceanu, \*\*Aurelia Grigoriu, \*Diana Coman, \*\*V. Blascu, \*\*\*C. Fotakis,

\* "Lucian Blaga" University, Sibiu, \*\*\*"Gh. Asachi" Technical University, Iasi, ROMANIA,

SECTION 6		Location
17:00 – 18:30	<b>MANAGEMENT</b> Moderator: Prof.Dr. Costache Rusu	Tex 1/ 308

**1. Elements of Comparative Management in Public and Private Companies from Romania**

\* Gheorghe Condurache, \*\* Ioan Ioniță

\*\*"Gh. Asachi" Technical University of Iasi, \*\* Siret Hydrography Department, Bacau, Romania

**2. Study of a Mytron KPW Climatic Chamber by Means of Fast and Value Analysis and Engineering**

Gheorghe Condurache, Ingrid Buciscanu

"Gh. Asachi" Technical University of Iasi, Romania

**3. Entrepreneurship, Leadership and Management in Romanian enterprises: New Developments**



Costache Rusu, Dana-Corina Deselnicu  
*"Gh. Asachi" Technical University of Iasi, Romania*

**4. The application of Kaizen Management Principles in the Knitting and Clothing Industry**

Elena Moisescu, Viorica Crețu  
*"Gh. Asachi" Technical University of Iasi, Romania*

**5. Aspects regarding the Management of Ethics into the Commercial Activities of the Textile Companies**

Monica Voicu, Raluca P. Lăzărescu  
*"Gh. Asachi" Technical University of Iasi, Romania*

**6. Employee Satisfaction Measurement in Constructserv SRL: part 1**

Rusu Bogdan, Mihai Aura  
*"Gh. Asachi" Technical University of Iasi, Romania*

**7. Employee Satisfaction Measurement in Constructserv SRL: part 2**

Rusu Bogdan, \*Mihai Aura  
*"Gh. Asachi" Technical University of Iasi, Romania*

SECTION 7		Location
17:00 – 18:30	<b>ECONOMY AND MARKETING</b> Moderator: Assoc. Prof. Mihai Irimia	Lab. Ec.&Marketing

**1. Particularities of the Scientific and Technological Progress in the Contemporary Economy**

Steluța Buda, Cosmin Toma Buda  
*"Gh. Asachi" Technical University of Iasi, Romania*

**2. Computer Programs for Financial Analysis: Evolution in Keeping With Users' Requirements**

\*Marian Gusta, \*\*Florentina Sîrbu  
 \*"*Al.I. Cuza*" University of Iași; \*\* "*Gh. Asachi*" Technical University of Iași, Romania

**3. Real Cost Category of an Economical Entity**

Mihai Irimia  
*"Gh. Asachi" Technical University of Iasi, Romania*

**4. The Blog in The Company Image Promotion Strategy**

Florin Alexandru Luca  
*"Gh. Asachi" Technical University of Iasi, Romania*

**5. Some Considerations Regarding the Environment Policy of the European Union**

Angela Munteanu  
*"Gh. Asachi" Technical University of Iasi, Romania*

**6. A New Concept Regarding The Efficiency of The Economic Activity**

Steluța Buda  
*"Gh. Asachi" Technical University of Iasi, Romania*

**7. Internet Marketing. European Overview**

Gabriel Cucuteanu  
*"Al.I.Cuza" University, Iasi, Romania*

20:00 – 23:00	<b>Conference Cocktail, "Carafa" Restaurant, "Iulius" Mall, 1-st floor</b>
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**Friday, 19 October 2007**

**Morning Session: 8.30 – 13.10**

Location: "**I.C.Ștefănescu**" Auditorium, Faculty of Textile and Leather Engineering, Bd. D.

## Mangeron nr.53

PLENARY SESSION:		Location
8:30 – 10:50	<b>COMPANIES' PRESENTATIONS</b> Moderators: Prof.dr. Romen Butnaru, Prof.dr. Ecaterina Pintilie	Tex.1. Auditorium

1. **SANTONI: Santoni and the Seamless Apparel**,  
Eng. Patrick Silva Szatkowski,  
*Santoni, Italy*
2. **SC DataS SRL " Planning and control in apparel industry with the GPD software solution"**  
Inf. Laszlo Szabo,  
*SC DataS SRL, Tg. Secuiesc, Romania*
- 3.a) **AMANN Technical Sewing Service – a Complete Solution for Every Manufacturer**  
b) **AMANN NBE – The Thread Consumption calculation Software**  
Eng. Zoltan Roca  
*Amann Romania SRL, Braşov, Romania*
4. **VENUS TECHNOLOGIES PROVIDER**  
Eng. Luca Traian, manager  
*SC VENUS Technologies Provider SRL, Romania*
5. **ILE TRADE COMPANY**  
Eng. Cristian Mitrea, Gen. Manager  
*SC ILE TRADE COMPANY SRL, Bucureşti, Romania*
6. **PRYM FASHION**  
Eng. Paul Paceoagă,  
*PRYM FASHION, Bucureşti, Romania*
7. **DIAMAN ART SRL**  
Eng. Diaconu Manuela, Manager  
*SC DIAMAN ART SRL, Iasi, Romania*

10:50 – 11:10	<b>Coffee break</b>
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11:10 – 12:40	<b>Parallel sessions: Sections 1 to 9</b>
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SECTION 1		Location
11:10 – 12:40	<b>NEW MATERIALS AND INNOVATIVE TEXTILES</b> Moderator: Prof.Dr. Dorin Avram	Tex 5

1. **Comparison of the Geometrical and Mechanical Models Used for the Textile Composite Structures**  
François BOUSSU, Xavier LEGRAND, Saad NAUMAN, Pascal BRUNIAUX  
*GEMTEX Laboratory ENSAIT, Roubaix, France*
2. **Study of a Conductive Polymer Composite Used as Heating Element for Textile**  
Maryline Lewandowski, Vladan KONCAR, Cédric COCHRANE, Stéphanie HUMAIN,  
*Laboratoire de Génie et Matériaux Textiles (GEMTEX) – ENSAIT, France*
3. **Aspects Regarding Characterization of Pva/Chitosan Composites**  
DRAMBEI Petronela\*, MATSUO Masaru\*\*, NAKANO Yumiko\*\*, BIN Yuezhen\*\*  
*\*Institutul National de Cercetare-Dezvoltare pentru Textile si Pielarie, Bucuresti/Romania,*  
*\*\*Department of Textile and Apparel Science, Nara Women's University, Japan*
4. **Chitosan Fibres**  
Iulia Balau Mîndru, Tudorel Bălău Mîndru, Irina Tărăboanță,

*“Gh. Asachi” Technical University, Iași, Romania*

**5. Considerations on the Deformation and Breakage Mechanism of the Poly Alcohol-Vinyl-Type Filaments**

Tărăboanță Irina, Bălău Iulia,

*“Gh. Asachi” Technical University of Iasi, Romania*

**6. Microbiological Aspects Related to Functional Textiles**

Clara Radulescu, Adriana Subtirica, Eftalea Carpus And Angela Dorogan

*The National Research-Development Institute for Textile and Leather, Bucharest, Romania*

**7. Diversification of Jute’s Processing in the Romanian Industry, in Order to Produce Yarn Twine, Intended for Special Utilizations**

Grigore Butnaru\*, Daniel Chinciu\*\*,

*\*S.C. Textila S.A. Iași , \*\*“Gh. Asachi” Technical University of Iasi, Romania*

**8. The Opportunity of Utilization of “BTC” and “BTR” Jute Categories as Raw Material for Yarns Manufactured in Romania**

Grigore Butnaru

*S. C. Textila S. A. Iași, Romania*

SECTION 2		Location
11:10 – 12:40	<b>a) FUNCTIONAL TEXTILES AND RELATED PROCESSES; b) IT APPLICATIONS IN TEXTILE AND LEATHER FIELD;</b> Moderator: Prof.Dr. Mihai Ciocoiu	Tex 5, 1-st floor,

**1. Studies on Structure and Properties of Cottonized Flax and Hemp Fibres**

Valeria Gribincea, Adriana Mustăț, Irina Arnăutu,

*„Gh. Asachi” Technical University, Iasi, Romania*

**2. Yarns From Flax and Hemp Wastes for Functional Textile Materials**

Adriana Mustăț, Valeria Gribincea, Irina Arnăutu,

*„Gh. Asachi” Technical University, Iasi, Romania*

**3. Flax and Hemp, Tradition and Perspectives**

Adriana Mustăț, Cristina Racu,

*„Gh. Asachi” Technical University, Iasi, Romania*

**4. Research Regarding the Nonwoven Medical Products Obtained by Thermally Bonding Technology**

ZAMFIR Maria\*, FARAMA Daniela\*, Ene Alexandrina\*\*, BULACU Romulus\*\*\*, MIU Gabriela\*\*\*,

CIOCOIU Mihai\*

*\* - Technical University of Iasi, Faculty of Textiles and Leather Engineering*

*\*\* - INCDTP Bucharest, Romania, \*\*\* - S.C. MINET S.A. Ramnicu Valcea, Romania*

**5. Medical Absorbent Products Based on Cotton Nonwovens**

ZAMFIR Maria\*, ENE Alexandrina\*\*, SAVA Costică\*, CIOCOIU Mihai\*,

*\*, „Gh. Asachi” Technical University, Iasi, Romania*

*\*\* INCDTP Bucharest, Romania*

**6. Medical Products Based on Thermalbonded Cotton Nonwovens**

COSTACHE Florentina-Flori \*, ZAMFIR Maria\*\*

*\* “Anghel Saligny” Technical College, Rosiorii de Vede, Romania*

*\*\* „Gh. Asachi” Technical University, Iasi, Romania*

**7. Nonwoven Textiles for Medical and Hygienic Applications**

COSTACHE Florentina-Flori \*, ZAMFIR Maria\*\*

*\* “Anghel Saligny” Technical College, Rosiorii de Vede, Romania*

*\*\* „Gh. Asachi” Technical University, Iasi, Romania*

**8. Computer Simulation of Cross-Sectional Variation for Worsted Wool Type Yarn**

Neagu Ionut, Neagu Adrian, Avram Dorin“

*Gh. Asachi" Technical University, Iasi*

# 11. Computer Assisted Design of Manufacturing Technology in Flax and Hemp Tow Spinning Mill

Cristina PIROI, Adriana MUSTAȚĂ, George CIUBOTARU

*„Gh. Asachi" Technical University of Iasi, Romania*

SECTION 3		Location
11:10 – 12:40	<b>FASHION DESIGN AND PRODUCT DEVELOPMENT</b> Moderators: Prof. Dr. M.Cetin Erdogan, Assoc.Prof. Dr. Carmen Loghin	Tex 1 Auditorium

## 1. Modelling of a Virtual Morphotype Mannequin for Garment Design

Agnieszka CICHOCKA \*, Pascal BRUNIAUX \*\*, Vladan KONCAR \*\*

*\* Technical University of Lodz, Poland, Faculty of Textile Engineering and Marketing, Department of Clothing Engineering, \*\* Laboratoire GENie et Matériaux TEXTiles (GEMTEX), Ecole Nationale des Arts et Industries Textiles de Roubaix (ENSAIT)*

## 2. New Approach to 3D Design and Pattern Making Process of Garment

Agnieszka CICHOCKA \*, Pascal BRUNIAUX \*\*, Vladan KONCAR \*\*

*\* Technical University of Lodz, Poland, Faculty of Textile Engineering and Marketing, Department of Clothing Engineering, \*\* Laboratoire GENie et Matériaux TEXTiles (GEMTEX), Ecole Nationale des Arts et Industries Textiles de Roubaix (ENSAIT)*

## 3. Development of a Simple Drape Method

Maryline LEWANDOWSKI\*, Pascal BRUNIAUX\*, Irina Cristian\*\* And Mihai CIOCOIU\*\*

*\*Laboratoire De Génie Et Matériaux Textiles (GEMTEX) – ENSAIT, France*

*\*\* „Gh. Asachi" Technical University, Iasi, Romania*

## 4. Fabric Grainline in Apparel

Esra DIRGAR, Oksan KANSOY, Erhan KIRTAY

*Ege University Bergama Technical And Business College Bergama – Izmir, Turkey*

## 5. The Quality Defects and Solution Advices on Garment Which is Made of Knitted Fabrics

Zumrut BAHADIR UNAL<sup>1</sup> Serpil KAYA<sup>2</sup>, M. Cetin ERDOGAN<sup>3</sup>,

*<sup>1,3</sup> Ege University, Engineering Faculty, Textile Engineering Department, Izmir, Turkey,*

*<sup>2</sup> Ege University, Emel Akan Technical Vocational School of Higher Education, Izmir, Turkey*

## 6. Language of Colors in Design

M. Çetin Erdoğan<sup>1</sup>, A. Aslı İlleez<sup>2</sup>, Serkan Boz<sup>2</sup>, Arzu Şen<sup>3</sup>,

*<sup>1</sup> Ege University, Textile Engineering Department, <sup>2</sup> Ege University, Emel Akan Vocational*

*High School, <sup>3</sup> Ege University, Bayındır Vocational High School, Turkey*

## 7. Anthropometrical Modeling for Garment Manufacturing

Inga Dabolina, Ausma Vilumsone,

*Riga Technical University, Latvia*

SECTION 4		Location
11:10 – 12:40	<b>DESIGN AND TECHNOLOGY OF FOOTWEAR AND LEATHER GOODS</b> Moderators: Assoc.Prof. Dr. Rodica Volocariu, Lecturer Dr.eng. Liviu Mărcuș	Tex 6/SP1

## 1. Manufacturing Technologies for Leather Seat Upholsteries

Cornelia Ionescu Luca

*„Gh.Asachi" Technical University, Iasi, Romania*

## 2. Quality Characteristics of the Upholstery Leather

Cornelia Ionescu Luca

„Gh.Asachi” Technical University, Iasi, Romania

### 3. The Identification of the Imperfections that Appear With Time for the Leather Upholsteries

Marcela Iuhas<sup>1</sup>, Cornelia Ionescu Luca<sup>2</sup>

<sup>1</sup>University of Oradea, <sup>2</sup> “Gh.Asachi Technical Univ. Iași, Romania

### 4. The Influence of Some Technological Parameters on the Deformation of the Leather Substitutes at Tension Stress

Maria Cristina Panfile Secan\*, Florentina Harnagea\*\*

\*Technical University of Oradea, \*\*, „Gh. Asachi” Technical University of Iasi, Romania

### 5. Aspects Regarding the Economical Use of the Leather Substitutes at Footwear Uppers Pattern Cutting

Maria Cristina Panfile Secan\*, Florentina Harnagea\*\*

\*Technical University of Oradea, Romania, \*\*, „Gh. Asachi” Technical University of Iasi, Romania

### 6. The Analysis of Constructive Shaping Methods of (Morocco) Leather Goods Products

\* Stela Balan, \*Marina Malcoci, \*\*Florentina Harnagea

\*Tehcnical University of Moldova, \*\*\*”Gh. Asachi” Tehnical University, Iași

SECTION 5		Location
11:10 – 12:40	<b>ADVANCES AND PROSPECTS IN LEATHER PROCESSING</b> Moderator: Prof.Dr. Nicolae Badea	Ch. – Lab.11

#### 1. Protocol for the Determination of the Tanning Ability of a Melamine - Formaldehyde Syntan

\*Stelian Maier, \*Melinda Pruneanu, \*Vasilica Maier And \*\*Viorica Deselnicu

\* “Gh. Asachi” Technical University of Iasi, Romania

\*\* INCDTP – ICPI , Bucharest , Romania

#### 2. Study of Supplementary Functionalization of Pelt With Glyoxylic Acid

\* Melinda Pruneanu, \*Vasilica Maier, \*Stelian Maier, \*Nicolae Badea And \*\*Luminița Albu

\* Gh. Asachi” Technical University of Iasi, \*\* INCDTP – ICPI, Bucharest , Romania

#### 3. The Influence of Solvent Mixtures upon Gelatin Nanofibers Electrospinning

\*T. Bălău Mîndru, \*Iulia Bălău Mîndru, \*Th. Măluțan And \*\*V. Țura

\* “Gh Asachi” Technical University, Iasi , Romania.,

\*\* “Al. I. Cuza” University, Iasi, Romania

#### 4. Artificial Leather Based on Chitosan- Glutaraldehyde Nanofibers- I. Analysis of Chitosan- Glutaraldehyde Nanofibers Obtaining And Uses

\* Iulia Bălău Mîndru, \* T. Bălău Mîndru, \*\* V. Țura And \*Th. Măluțan

\* “Gh. Asachi” Technical University of Iasi, Romania.

\*\* “Al. I. Cuza” University, Iasi, Romania

#### 5. Transport Model for Chrome Leather Drying

\* Ingrid Bucișcanu, \* F. Vitan And \* S.S. Maier

\*”Gh. Asachi” Technical University of Iasi, Romania

#### 6. Simulation of Chrome Leather Drying Evolution, Using the Transport Model Equations

\*S. S. Maier, \*Ingrid Bucișcanu And \*F. Vitan

\*”Gh. Asachi” Technical University of Iasi, Romania

SECTION 6		Location
11:10 – 12:40	<b>a) DEVELOPMENTS IN TEXTILE CHEMISTRY; b) ENVIRONMENTAL TOPICS IN TEXTILES AND LEATHER INDUSTRY</b> Moderator: Prof.dr. Berteau Andrei	Tex.1, Council Room

#### 1."ATLAS – Equipments for Material Testing at Light Fastness and Climate Conditions",

Jurgen Parr, *Area Sales Manager*  
*ATLAS, Germany*

## 2. Comparing Dyeing Characteristics of Luxury Fibres (mohair and angora) with Wool

Rıza ATAV, Abbas YURDAKUL, E. Perrin AKÇAKOCA

*\*Ege University, Department of Textile Engineering, Izmir, Turkey*

## 3. Comparison of Natriumchloride and Natriumsulphate salt Uage in Reactive Dyeing

Abbas YURDAKUL\*, Rıza ATAV\*, Arzu ARABACI\*\*

*\*Ege University, Faculty of Engineering, Textile Engineering Department, Izmir, Turkey*

*\*\*Ege University, Türk Tekstil Vakfı, Textile Research Centre*

## 4. Towards a Sanogenetic „Clothing of light” on the Biophotonic Properties of Textile Materials

T. D. Stănciulescu\*, Drd. Aritia Poenaru\*\*,

*\*University “Al. I. Cuza”, Iași, \* National Institute of Inventics, Iași, Romania*

## 5. The Efficiency of Flame –Retardant Treatment on a PES 100% Knit,

Vasilica Popescu, Doru Cezar Radu,

*“Gh. Asachi” Technical University Iasi, Romania*

SECTION 7		Location
11:10 – 12:40	<b>MANAGEMENT</b> Moderator: Assoc.Prof. Dr. Silvia Avasilcăi	Tex 1, 308

## 1. Project Meetings – Between a Formality and Necessity

*\*Romeo-Mihai Ciobanu*

*\*\*“Gh. Asachi” Technical University of Iasi, Romania*

## 2. U-Shaped Assembly Line Balancing Pproblem: A Review

*\*Cintia Copaceanu, \*\*Octav Brudaru*

*\*Institute for Theoretical Computer Science, Romanian Academy Iasi Branch, Romania*

*\*\* Technical University “Gh. Asachi”, Iasi, Romania*

## 3. Strategic Analysis of a Company Performance. "The Balanced Scorecard" Model

*\*Emma Paulescu, \*\*Silvia Avasilcăi*

*Prym Fashion, București, Romania*

*\*\*\*“Gh. Asachi” Technical University of Iasi, Romania*

## 4. Strategic Analysis of Internal Resources of the Firm Prym Fashion Romania

*\* Emma Paulescu, \*\* Silvia Avasilcăi*

*\*Prym Fashion, București, Romania*

*\*\*\*“Gh. Asachi” Technical University of Iasi, Romania*

## 5. Structural Analysis of Industry - Identifying the Strategic Groups

*\*Silvia Avasilcăi, \*\* Emma Paulescu*

*“Gh. Asachi” Technical University of Iasi, Romania*

*\*\*Prym Fashion, București, Romania*

## 6. Strategic Analysis of the External Environment

*\*Silvia Avasilcăi, \*\* Emma Paulescu*

*“Gh. Asachi” Technical University of Iasi, Romania*

*\*\*Prym Fashion, București, Romania*

SECTION 8		Location
11:10 – 12:40	<b>ECONOMY AND MARKETING</b> Moderators: Prof.Dr. Vasile Munteanu, Prof. Dr. Mariana Bucur-Sabo	Lab. Ec.& Marketing

## 1. The Strategy and Tactics of the International Marketing Research

Vasile Munteanu

*\*\*"Gh. Asachi" Technical University of Iasi, Romania*

## **2. The Organisational Communication Between Traditional and Modern Approaches**

Mariana Bucur-Sabo

*\*\*"Gh. Asachi" Technical University of Iasi, Romania*

## **3. The Business Success and the Sustainable Development**

Anca Butnariu

*\*\*"Gh. Asachi" Technical University of Iasi, Romania*

## **4. Aspects of a Products Penetration in Consumption**

Laura Timiras

*University of Bacău, Romania*

## **5. Pro-Globalization and Anti-Globalization**

Theodor -Cătălin Mihăilă

*\*\*"Gh. Asachi" Technical University of Iasi, Romania*

## **6. Specificity Elements of Marketing Activity at the Level of Distributors**

Laura Timiras

*University of Bacău, Romania*

POSTER SESSIONS 1 and EXHIBITION		Location
12:40 – 13:10	<b>POSTER SESSIONS:</b> <b>a) Topics 1, 2, 5</b> <b>b) Topic 7</b>	a)Tex.1. Ground floor b) Ch. Building Ground Floor
	<b>EXHIBITION</b> <b>" Ancient Cucutenian Ornaments Develop for Bi-Dimensional Textile Patterns "</b> I.Arnautu, S. Mihuleac, M.Oboroceanu, V. Radu	Tex.1. Lab.1/ ST

## **a) POSTERS, Topics 1, 2, 5 - Tex.1. Ground floor**

### **TOPIC 1. New Materials and Innovative Textiles**

#### **1.1. Co-Relations Between Polypropylene Characteristics and Textiles Properties**

Prof. Vasile Blașcu, Ph.D.

*"Gh. Asachi" Technical University Iasi, Romania*

#### **1.2. Some Aspects Concerning Quality Control for Man-Made Fibres**

Prof. Vasile Blașcu, Ph.D.

*"Gh. Asachi" Technical University Iasi, Romania*

#### **1.3. Electrospinning Of Polymer Nanofibres – Recent Developments**

Cristina PIROI, Rodica Harpa, Cezar-Doru RADU, Irina Cristian

*"Gh. Asachi" Technical University Iasi, Romania*

### **TOPIC 2. Functional Textiles and Related Processes**

#### **2.1. Evaluation of Yarn Quality Through Synthetic Indicators for Technical Characteristics**

Liliana Lutic,

*"Gh. Asachi" Technical University Iasi, Romania*

#### **2.2. Quality Evaluation of Knitted Fabrics Using Synthetic Indicators for Structural Characteristics**

Liliana Lutic

*"Gh. Asachi" Technical University Iasi, Romania*

#### **2.3. Spreading of Adhesives During Fusing**

Nicolae Hoblea,  
"Gh. Asachi" Technical University Iasi, Romania

**2.4. Functional Properties Evaluation of The Textile Materials for the First Layer in Clothing Structure**

Zulfet Hoblea,  
"Gh. Asachi" Technical University Iasi, Romania

**2.5. Contact Properties of Textile Materials**

Zulfet Hoblea  
"Gh. Asachi" Technical University Iasi, Romania

**2.6. The Reduction of the Consumption of Yarn by the Use of the Tricots with Intarsia Design**

Dorin Dan,  
"Gh. Asachi" Technical University Iasi, Romania

**2.7. Biophotonic Vestments for Optimizing the Health State**

\* Traian Stanciulescu and \*\* Aritia Poenaru  
\* "Al. I. Cuza" University, Iasi, Romania, \*\* National Inventics Institute

**2.8. Research on Distortion of "Two-Structures" Weft Knitted Fabrics**

Mariana Ursache  
Technical University Iasi, Romania

**2.9. Spirality of Weft Knitted Fabrics: Overview and Investigations**

Mariana Ursache,  
"Gh. Asachi" Technical University Iasi, Romania

**2.10. Textile Materials for High Visibility Equipment**

Luminita Ciobanu, Carmen Loghin, Pulferia Nicolaiov, Zulfet Hoblea, Irina Ionescu  
"Gh. Asachi" Technical University Iasi, Romania

**2.11. Designing Multifunctional Underware Garment For Sport Purposes**

R. Fangueiro, F. Soutinho, M. De Araújo, J. Mendes  
University of Minho, Department of Textile Engineering, School of Engineering, **Portugal**

**TOPIC 5. Fashion Design and Product Development**

**5.1. Color In Woven Fabric Design**

Irina Cristian,  
"Gh. Asachi" Technical University Iasi,

**5.2. Simetry Analisys of Oriental Carpets Pattern**

Irina Cristian, Rodica Harpa, Cristina Piroi,,  
"Gh. Asachi" Technical University Iasi,

**5.3. Suitable Garments for Workers in Industry**

Esra Dirgar, Oksan Kansoy, Erhan Kirtay  
Ege University Bergama Technical And Business College Bergama – Izmir, Turkey

**5.4. The Relationship Between Fabric Usage Amount and Model Properties**

\* Oksan KANSOY, \*\* M. Cetin ERDOGAN, \* Esra DIRGAR  
\* Ege University, Bergama Technical and Business College, Bergama/Izmir/Turkey  
\*\* Ege University Engineering Faculty Textile Engineering Dept. Bornova /Izmir/ Turkey

**5.5. Connection Between Body Shape and Pattern Construction**

Filipescu Emilia, Cretu Mioara  
"Gh. Asachi" Technical University Iasi,

**5.6. Contributions Regarding the Design on Scientific Criteria of the Military Outfits**

Paul Sorin Hancu, Mariana – Silvia Țuca, Lavinia Capmare , Stan Mitu  
"Gh. Asachi" Technical University Iasi,

**5.7. Comfortable Uniforms Intended for School Pupils**

Mariana – Silvia Țuca, Paul Sorin Hancu, Lavinia Capmare , Stan Mitu  
"Gh. Asachi" Technical University Iasi,



**b) POSTERS, Topic 7- Building Ch., Ground Floor****TOPIC 7. Advances and Prospects in Leather Processing****7.1. Antimicrobial And Antifungal Leathers for Increasing the Health and the Comfort of the Individuals**

Viorica Deselnicu<sup>1</sup>, Stelian Sergiu Maier<sup>2</sup> Luminita Albu<sup>1</sup>, Nicoleta Buruntea<sup>3</sup>,  
<sup>1</sup>National R&D Institute for Textile and Leather - Division: Leather and Footwear Research  
 Institute, Bucharest,  
<sup>2</sup>« Gh Asachi » Technical University, Iassy, <sup>3</sup>INCDIE ICPE –CA, Bucharest, Romania

**7.2. New Titanium-Based Compounds Intended to be Used in Hide Processing**

\* Crudu Marian , \*\* Roșca Ioan, \*\* Sutiman Daniel, \*\* Căilean A Drian , \*Ghiga Mihaela , \*  
 Bocu Veronica  
 \* INCDTP – ICPI, Bucharest , \*\* “Gh. Asachi” Technical University of Iasi, Romania

**7.3. Organic Tanning Process Intended to Obtain Wet-White Leather**

Deselnicu Viorica, Platon Florin, Luminita Albu, Marian Crudu  
 National R&D Institute For Textile And Leather - Division: Leather And Footwear Research  
 Institute, Bucharest, Romania

**7.4. Oxyrane Reactive Syntans for Chrome-Free Tannage**

Stelian Sergiu Maier, Vasilica Maier, Melinda Pruneanu, Nicolae Badea  
 “Gh. Asachi” Technical University of Iasi, Romania

**7.5. Procedure for Large – Scale Purification of Hypoimmunogenic Atelocollagen Sol**

Stelian Sergiu Maier, Ingrid Bucîșcanu, Vasilica Maier, Melinda Pruneanu  
 “Gh. Asachi” Technical University of Iași, Romania

**7.6. Protocol for Collagen Sources Preprocessing, for the Obtaining of Minimally Denaturated Collagen**

Stelian Sergiu Maier, Ingrid Buciscanu, Vasilica Maier, Melinda Pruneanu  
 “Gh. Asachi” Technical University of Iași, Romania

**7.7. Protocol for Enzyme Assisted Scavenging of Denaturated Atelocollagen**

Stelian Sergiu, Vasilica Maier, Melinda Pruneanu  
 “Gh. Asachi” Technical University of Iași, Romania

**7.8. Obtaining of an Injectable Biomimetic Hydroxyapatite – Atelocollagen Composite**

\* Stelian Sergiu, \*\* Irina Pelin \* V. Bulacovschi  
 \* “Gh. Asachi” Technical University of Iași, \*\* ”P. Poni” Macromolecular Chemistry  
 Institute, Iasi, Romania

13:10 – 14:10	Lunch break
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**Afternoon Session: 14.10 – 16.30**

**Location:** Faculty of Textile and Leather Engineering, Bd. D. Mangeron nr.53, TEX 1

14.10 – 15.40	<b>Parallel session: Sections 1 to 4</b>
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SECTION 1		Location
14.10 – 15.40	<b>NEW MATERIALS FOR INNOVATIVE TEXTILES</b> Moderator: Prof. Dr. Maria VILCU	Tex 5 Auditorium

**1. Smart Textiles – Structure and Functionality**

Liliana Rozemarie Manea , Liliana Buhu  
*"Gh. Asachi" Technical University Iasi, Romania*

### 2. Recent Developments in Medical Textiles

Liliana Rozemarie Manea and Adrian Buhu  
*"Gh. Asachi" Technical University Iasi, Romania*

### 3. The Tensions in the Fibers Strand and in the Yarn When Obtaining the Compact Yarns Through the Use of a False-Twisting Device

Liliana Buhu, Dorin Avram, Mihai Ciocoiu , Liliana Rozemarie Manea  
*"Gh. Asachi" Technical University Iasi, Romania*

### 4. Smart and Interactive Textiles – A New Vision of the Field

Adrian BUHU, Liliana Rozemarie MANEA, Liliana BUHU  
*"Gh. Asachi" Technical University Iasi, Romania*

### 5. Optimization of the Characteristics of The Solospun Yarns

Dorin AVRAM, Liliana BUHU, Ionut NEAGU  
*"Gh. Asachi" Technical University Iasi, Romania*

### 6. Influence of Yarn Set Heat Treatments on the Twist Characteristics of Wool Yarns

\*Ioan Iacob\*\*, Grigore Butnaru\*\*\* Adrian Taras  
*\*\*"Gh. Asachi" Technical University of Iasi, \*\*S.C. Textila S.A, Iasi, Romania ,*  
*\*\*\*S.C. "Transilana" S.A. Ghimbav – Brasov*

### 7. Polypropylene Fibres Treated in Plasma Environments

Cătălin Vilcu., Maria Vilcu, Lucian Constantin Hanganu  
*"Gh. Asachi" Technical University of Iasi*

SECTION 2		Location
14.10 – 15.40	<b>MACHINERY DEVELOPMENTS IN TEXTILE AND LEATHER FIELD</b> Moderator: Prof.Dr. Dumitru LIUTE	Tex 5 1-st floor

### 1. Correction of the Rotational Frequency of the Spindles on the Machine For Fancy Yarns "Prenomit" on the Base of the Twist of the Produced Yarn

Krasimir Drumev,  
*Technical University of Gabrovo, BG*

### 2. Dynamic Analysis of the Distribution Rod on the Rotor Spinning Machine

Jaroslav Beran, Jan Valtera  
*Technical University of Liberec, Department of Textile Machine Design, Czech Republic*

### 4. Electronic Card From Concept to Achievement

\*Nagy Francisc,\*\* MIHAI CIOCOIU and \*\*\* MACARIE SORIN  
*\*\*"M.P.E" Cluj, \*\* "Gh. Asachi" Technical University Iasi. \*\*\* "Actual" Alba-Iulia*

### 5. Statistic Indicators of Operational Fiability Used to Textile Machines

Leonache Drăgoi,  
*"Gh. Asachi" Technical University of Iasi, Romania*

### 6. Researches Regarding the operational Fiability of Unconventional Weaving Machines

Leonache Drăgoi,  
*"Gh. Asachi" Technical University of Iasi, Romania*

### 7. Theoretical Relationship for Command of Technological Actions From Beaming Phase at Sectional Warping

Dumitru Liute, Ioan Iacob, Daniela Liute, Adrian Buhu,  
*"Gh. Asachi" Technical University „Gh. Asachi” Iasi, Romania*

### 8. Experimental Researches Regarding Technological Parameters of Warping Machine In Beaming Phase

Dumitru Liute, Ioan Iacob, Daniela Liute, Adrian Buhu,  
*"Gh. Asachi" Technical University „Gh. Asachi” Iasi, Romania*

### 9. Calculus Equations Useful For Command of Warping Cylindrical Drum's Rotative Speed

Daniela Liute, Alexe Bălășcuță  
„Gh. Asachi”, Technical University, Iași, Romania

### 10. Technological Equations Useful for Command of the Axial Feeding At Band's Winding on the Warping Cylindrical Drum

Daniela Liute, Dumitru Liute  
„Gh. Asachi”, Technical University, Iași, Romania

### 11. Study on the Longitudinal Sliding Motion of Yarns Wound on a Rotating Circular Disks

Mihăescu Dumitru\*, Buzescu Florina-Liliana\*\*  
“Gh. Asachi” Technical University, \*Faculty of Textiles and Leather Engineering, \*\* Faculty of Mechanics, Romania

### 12. Study on the Non-Sliding Longitudinal Motion of a Yarn Wound on a Rotating Circular Disk. Case of a Driven Roller

Mihăescu Dumitru\*, Buzescu Florina-Liliana\*\*  
“Gh. Asachi” Technical University, \*Faculty of Textiles and Leather Engineering, \*\* Faculty of Mechanics, Romania

SECTION 3		Location
14.10 – 15.40	<b>a) FUNCTIONAL TEXTILES AND RELATED PROCESSES</b> <b>b) MACHINERY DEVELOPMENTS</b> Moderator: Prof. Dr. Ivan Ivanov, Assoc.Prof. Mirela Blaga	Tex. 1. “IC Stef.” Auditorium

### 1. Investigation of the Yarn With a Piezoelectric Transducer for Weft Flat Knitting

Yordanka Angelova, Ivan Simeonov,  
Technical University Gabrovo, Bulgaria

### 2. Optimization Synthesize of the Needle Mechanism for Warp-Knitted Machine Ob-7

Ivan Ivanov<sup>1</sup>, Hristo Varbanov<sup>2</sup>, Krasimir Drumev<sup>1</sup>,  
<sup>1</sup> Technical University of Gabrovo  
<sup>2</sup> Bulgarian Academy of Science, Applied research department – Plovdiv

### 3. New Perspectives for Clothing Designing Process in the Context of Garment Mass Customization and Personalization

Manuela Avadanei, Ecaterina Pintilie, Manuela Diaconu  
“Gh. Asachi” Technical University Iasi, Romania

### 4. The Effects of Model Properties on Sewing Time

Oksan KANSOY<sup>1</sup>, M. Cetin ERDOGAN<sup>2</sup>, Esra DIRGAR<sup>3</sup>  
<sup>1 3</sup> Ege University Bergama Technical and Business College, Bergama/Izmir/Turkey  
<sup>2</sup> Ege University Engineering Faculty Textile Engineering Dept. Bornova /Izmir/ Turkey

### 5. Optimisation of Some Sewing Operations Through the Improvement of Work Methods

Viorica Papaghiuc  
“Gh. Asachi” Technical University Iasi, Romania

### 6. Challenges on Chemical Protective Clothing

Zoitanu Ana Corina, Stan Mitu, Stoian Lucretia  
“Gh. Asachi” Technical University Iasi, Romania

SECTION 4		Location
14.10 – 15.40	<b>DESIGN AND TECHNOLOGY OF FOOTWEAR AND LEATHER GOODS</b> Moderators: Assoc.prof.dr. Volocariu Rodica, Lecturer Liviu Mărcuș.	Tex 6/SP1

**1. Technological Requirements for the Manufacturing of Synthetic Leather and Leather Substitutes Footwear**

\* Liviu Mărcuș, \*\* Rodica Silvia Volocariu -

*Gh Asachi Technical University Of Iasi, Romania***2. Investigations Related to a Copolyamide for Fusible Linings**

Madalina Zanoaga

*"Petru Poni" Institute Of Macromolecular Chemistry, Iasi, Romania***3. Investigations Related to the Thermal Behaviour of Some Thermoadhesives Used in Light Industry**Madalina Zanoaga<sup>1</sup> Gheorghe Doncean<sup>2</sup><sup>1</sup>*"Petru Poni" Institute Of Macromolecular Chemistry, Iasi,* <sup>2</sup>*"Gh. Asachi" Technical University, Iasi, Romania***4. Eco-Labeling of Leather Goods – Application for Footwear**

Viorica Roșculeț, Victoria Brătulescu

*National R&D Institute For Textile And Leather – Division: Leather And Footwear Research Institute (INCDTP-ICPI), Bucharest, Romania***5. Research Regarding Calculation of the Agents for Design of Watch Cords and Belts**

Marina Malcoci, Stela Balan, Natalia Ili

*Technical University Of Moldova***6. Designing the Modular Footwear Manufacturing Process**

Volocariu Rodica Silvia, Aura Mihai,

*„Gh Asachi” Technical University, Iasi, Romania*

SECTION 4		Location
14.10 – 15.40	<b>ENVIRONMENTAL TOPICS IN TEXTILES AND LEATHER INDUSTRY</b> Moderator: Prof.Bertea Andrei	Tex 1 Council Room

**1. A Comparative Study of the Methods to Obtain Discoloration of Textile Wastewater Using Hydrogen Peroxide,**

Andrei Petru Bertea, Anișoara Bertea, Romen Butnaru,

*"Gh. Asachi" Technical University of Iasi, Romania***2. Ecologization of the Technologies – Imperative of the Present Times**

Andrei Petru Bertea, Anișoara Bertea, Romen Butnaru,

*"Gh. Asachi" Technical University of Iasi, Romania***3.Researches Regarding the Remove of the Dyestuff From Used Waters Using the Ion Exchangers**Maria Achiței<sup>1</sup>, Diana Vizitiu<sup>2</sup>, Eugenia Doniga<sup>2</sup>*"Gh. Asachi" Technical University of Iasi, Romania*<sup>1</sup>*Faculty of Textile and Leather Engineering,* <sup>2</sup>*Faculty of Chemical Engineering, Romania*

15:40 – 16:00	Coffee break
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POSTER SESSION 2 and EXHIBITION		Location
16:00 – 16:30	<b>POSTER SESSION:</b> Topics 3, 4, 6, 9	a)Tex.1. Ground floor
	<b>EXHIBITION</b> " Ancient Cucutenian Ornaments Develop For Bi-Dimentional Textile Patterns " I. Arnautu, S. Mihuleac, M. Oboroceanu, V. Radu	Tex.1. Lab.1. ST (Groud floor)

### **TOPIC 3. IT Applications in Textile and Leather**

#### **3.1. Roving Bobbin Calculation Theory and Computer Program „Spiral“ for Parameter Calculations and for Spirals on The Bobbins Front with Precision Cross Winding Visualization**

Jozef Kaniok, Petr Žabka,

*Technical University of Liberec, Department of Textile Machine Design, Czech Republic*

#### **3.2. Study Regarding Unplanned Maintenance Weaving Mill Using ERP Informatics System**

Chitic Olivian,

*Gh Asachi Technical University of Iasi, Romania*

#### **3.3. Study Regarding Planned Maintenance Weaving Mill Monitorisation Using ERP Informatic Sitems**

Chitic Olivian,

*Gh Asachi Technical University of Iasi, Romania*

### **TOPIC 4. Machinery Developments in Textile and Leather Field**

#### **4.1. Mathematical Model of the Heald Shaft of the Weaving Loom**

Martin BÍLEK, Šimon KOVÁŘ

*Technical University of Liberec, Department of Textile Machine Design, Czech Republic*

#### **4.2. Dynamic Analysis and Shape Optimisation of Needle on Knitting Machines**

Jiří Mrázek, Martin BÍLEK, Tarek TOMEH

*Technical University of Liberec, Department of Textile Machine Design, Czech Republic*

#### **4.3. Modern Circular Knitting Machines for Plush Fabrics**

Viorica Cretu, Elena Moisescu

*Technical University Iasi, Romania*

#### **4.4. Constructive Solutions of the Stitch Cam and their Influence on the Width of the Knitting System**

Viorica Cretu,

*Technical University Iasi, Romania*

#### **4.5. Knitting Technologies for Medical Use**

\* Laura Macovei, \* Luminita Ciobanu, \*\* Alexandrina Ene, \* Mihai Ciocoiu

*\* Technical University Iasi, Romania, \*\* INDCTP Bucuresti, Romania*

### **TOPIC 6. Design and Technology of Footwear and Leather Goods**

#### **6.1. Innovative Processes With Laser Techniques Intended to Be Used in Leather and Textile Sectors**

Zainescu Gabriel, Albu Luminita, David Daniel

*National R&D Institute for Textile and Leather, Division – Leather and Footwear Research*

*Institute, Bucharest, Romania*

#### **6. 2. Analysis of the Factors that Determine the Discomfort of Children Footwear with Repercussions on Health**

Drd. Tatiana Mironiuc, prof. dr. ing. mat. Mihai Ciocoiu

*“Gh. Asachi” Technical University Iasi, Romania*

### **TOPIC 8. Developments in Textile Chemistry**

#### **8.1. Optimization of Monochlorotriazinyl- $\beta$ -cyclodextrin Grafting on Flax Fabrics**

Constantin Luca\*, Ana-Maria Grigoriu\*, Rodica Diaconescu\*, Valeria Slabu \*\*, Aurelia Grigoriu\*\*,

*"Gh. Asachi" Technical University, \*Faculty of Chemical Engineering, Iasi, \*\* Faculty of Textile and Leather Engineering, Iasi, Romania*

**8.2. Simulating Bleaching Processes For Natural Cellulose Fabrics**

Luminița Ruxandra Fărnoagă, *National University of Arts, Bucharest*

Aurelia Grigoriu, *Faculty of Textile and Leather Engineering, Iasi*

Oana Alexandra Romanescu, *Faculty of Mathematics and Computer Science, Bucharest*

**8.3. The Evaluation of Colour Measurements Parameters Modification for some Photonically Stimulated Textile Materials by Means of Artificial Neural Networks**

Alina Sovan\*, Rodica Diaconescu\*\*, Aurelia Grigoriu\*

*„Gh. Asachi” Technical University of Iasi, \* Faculty of Textile and Leather Engineering, , \*\*, Faculty of Chemical Engineering, Iasi*

**8.5. CIE Whiteness Performance for Photonically Stimulated Textile Materials**

Alina Sovan, Aurelia Grigoriu, Narcisa Vrinceanu, Valeria Bulgaru, Vasile Blascu

*"Gh. Asachi" Technical University of Iasi, Faculty of Textile and Leather Engineering*

**8.6. The Structured Water and Photonic Stimulation Effect onto Dyeing Process with Reactive Dyes**

Aurelia Grigoriu\*, Alina Sovan\*, Claudia Diac\*, Valeria Bulgaru\*, Ana-Maria Grigoriu\*\*, Vasile Blascu\*,

*"Gh. Asachi" Technical University, \*Faculty of Textile and Leather Engineering,*

*\*\*Faculty of Chemical Engineering, Iasi, Romania*

**8.7. Technological Characterization of Some Thickeners based on Modified Polysaccharides,**

Anca Balan\*, Aurelia Grigoriu\*, Anca Moise\*\*, Claudia Diac\*,

*\*"Gh. Asachi" Technical University, Faculty of Textile and Leather Engineering, Iasi,*

*Romania, \*\* "Gh. Asachi" Technical University, Faculty of Chemical Engineering, Iasi,*

**8.8. New substances with Adequate Properties for the Formulation of Textile Printing Pastes**

Anca Balan\*, Anca Moise\*\* Aurelia Grigoriu\*\*\*,

*\*The Romanian Waters National Administration, Water Quality Laboratory of Iasi,*

*\*\*Technical University "Gh. Asachi" of Iasi, Department of Chemical Engineering,*

*\*\*\*Technical University "Gh. Asachi" of Iasi, Department of Textile Chemical Finishing*

**8.9. Experimental Design Applied to the Study of the Mechanical Properties of Natural Fibers Composite**

José Heriberto Nascimento<sup>1</sup>, Rasiyah Ladchumananandasivam<sup>2</sup>, Filipa Lopes<sup>1</sup>

*<sup>1</sup>University of Minho - Departament of Textile Engineering, Portugal*

*<sup>2</sup>Federal University of the State of Rio Grande do Norte, Departament of Textile Engineering*

**8.10. Instrumental Control in the Textile Finishing,**

Anişoara Berteau, Andrei Petru Berteau, Romen Butnaru

*"Gh. Asachi" Technical University of Iasi, Romania*

**8. 11. Researches on Sheep fur Dyeing with Acid Dyes,**

V.Gh. Atodiresei , A. Muresan R. Butnaru,

*"Gh. Asachi" Technical University, Faculty of Leather and Textile Engineering, Iasi, Romania*

**8.12. Studies on Water Influence onto Unstimulated and Photonically Stimulated Textile Materials,**

A. Grigoriu, \*V. Blascu, \*\*N. Vrinceanu, \*A. Şovan, \*V. Bulgaru, \*C. Diac

*\* "Gh. Asachi" Technical University, Faculty of Textile and Leather Engineering, Iasi,*

*\*\* "Lucian Blaga" University, Faculty of Engineering, Sibiu, ROMANIA*

## **TOPIC 9. Environmental Topics in Textiles and Leather Industry**

**9.1. Composting the Solid Protein Wastes Resulted from Tanneries**

Zăinescu Gabriel<sup>1</sup>, Albu Luminita<sup>1</sup>, Sandru Lucia<sup>2</sup>, Voicu Petre<sup>3</sup>

*<sup>1</sup>INCOTEP, Bucharest, <sup>2</sup>Research Institute of Plants Protection, Bucharest, <sup>3</sup>Research Institute for Soil Science and Agrochemistry, Bucharest, Romania*

**9.2. A Comparative Study of the Methods to Obtain Discoloration of Textile Wastewater Using Hydrogen Peroxide**

Andrei Petru Berte, Anișoara Berte, Romen Butnaru,  
*"Gh. Asachi" Technical University of Iasi, Romania*

**9.3. Quality Characteristics of the Dyeings Realized Using Discoloured Wastewater from a Previous Dyeing Process**

Anișoara Berte, Andrei Petru Berte, Romen Butnaru  
*"Gh. Asachi" Technical University of Iasi, Romania*

**9.4. Natural Dyes – Perspectives and Limitations**

Romen Butnaru, Andrei Petru Berte, Anișoara Berte,  
*"Gh. Asachi" Technical University of Iasi, Romania*

**9.5. Methods to Extract Natural Dyes from Safflower**

Romen Butnaru, Andrei Petru Berte, Anișoara Berte,  
*"Gh. Asachi" Technical University of Iasi, Romania*

**9.6. Ecologization of the Technologies – Imperative of the Present Times**

Andrei Petru Berte, Anișoara Berte, Romen Butnaru  
*"Gh. Asachi" Technical University of Iasi, Romania*

**9.7. Use of modified PAN Fibers as Sorbent for Removal of Dyes from textile Waste Waters,**

Doina Bilba, Daniela Suteu,  
*"Gh. Asachi" Technical University of Iasi, Faculty of Chemical Engineering, Romania*

**9.8. Peat in reactive Dye Brilliant Red HE-3B Recovery from Aqueous Media**

Daniela Suteu, Doina Bilba, Matei Macoveanu, Gabriela Rusu  
*"Gh. Asachi" Technical University of Iasi, Faculty of Chemical Engineering, Romania*

16:30 - 17:00	<b>Break</b>
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17.00 – 24.00	<b>Traditional Evening, "Hanul Răzeșilor" Inn, Location: E85, at Km 332 (Optional*)</b> Departure by bus from Faculty of Textile and Leather Engineering, Bd. D. Mangeron nr.53, Departure time – 17.00
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\*The participation to the **Traditional Evening** is optional. It costs approx. **35 EUR** (not included in the Conference fee). Registration and payment may be done upon arrival.

**Saturday, 20 October 2007**

8:30 – 10:30	<b>PLENARY SESSION:</b> <b>IT Applications in Textile and Leather Field</b> Moderators: Prof.Dr. Ioan Cioară, Assoc.Prof.dr. Mariana Ursache	Tex.1, Council Room
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**1. CAD/CAM Solution For Textile Industry – An Overview**

ASHIS MITRA.  
*Textile Section, Department of Silpa-Sadana, P.S.V., Visva-Bharati University. West Bengal, India.*

**7. Modern Equipments for Manufacturing Fur and Leather Garments, Footwear, Special Articles and Upholstery**

Maria Părcălăbescu, Giulia Pruteanu, Marius Butuc,  
*S.C.GEMATEX, București, Romania*

**2. Sem Stereoscopia as a Method for Measuring Wear**

Dilek Çukul<sup>1</sup>, Cevza Candan<sup>2</sup>, Servet Turan<sup>3</sup>,  
<sup>1</sup> *Anadolu University, Porsuk Vocational School, Eskisehir, Turkiye*

<sup>2</sup> *Istanbul Technical University, Department of Textile Engineering, Gumussuyu, Istanbul-Turkiye*

<sup>3</sup> *Anadolu University, Dept. of Materials Science & Engineering, Iki Eylul Campus, Eskisehir-Turkiye*

**3. On the Numerical Modelling of Weft Knitted Structures**

\*Mirela Blaga, \*\* Argyro Allivretaki, \*\*\*Savvas Vassiliadis, \*\*Christopher Provatidis

\* *"Gh.Asachi" Technical University of Iasi, Iasi, Romania*

\*\* *School of Mechanical Engineering, National Technical University of Athens, Athens, Greece;*

\*\*\* *Department of Electronics, TEI of Piraeus, Athens, Greece*

**4. Applications of Artificial Intelligence in Textiles Problem Solving**

Mirela Blaga, Mariana Ursache, Vasile Blascu

*"Gh.Asachi" Technical University of Iasi, Iasi, Romania*

**5. Systemology in Engineering Knowledge Computerization for Apparel Design**

Alexandru Diordiev, Elena Florea, Olga Diordiev

*Technical University of Moldova, Chisinau*

**6. Design and Graphical Representation of Flat Knitting Structures Using the Newest Features of Autocad 2006**

Olga Diordiev, Alexandru Diordiev,

*Technical University of Moldova, Chisinau*

**8. Interactive Exercises Adapted For Knitting Laboratory**

Dan Dorin, Mariana Ursache

*„Gh. Asachi" Technical University of Iasi, Romania*

10:30 – 11:00	Coffee break	
10:30 – 11:00	<b>EXHIBITION:</b> " Ancient Cucutenian Ornaments Develop For Bi-Dimensional Textile Patterns " I. Arnautu, S. Mihuleac, M. Oboroceanu and V. Radu	Tex 1 Lab.1. / ST
11:00 – 12:00	<b>CLOSING SESSION:</b> Closing Remarks from the Chair and Conference Close	Tex.1, Council Room
13:00 – 15:00	Lunch break	
15:00 – 20:00	City Sightseeing	

**Sunday, 21 October 2007**

**Participants' departure**



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CORTEP 2007 Conference website:  
[www.tex.tuiasi.ro/cortep07](http://www.tex.tuiasi.ro/cortep07)