RAPORT INFORMATIV

Adresat	**Directorului PRELAM-135**
Privind promovarea PRELAM la	**INVENTICA 2018***
	06.2018
Caracter	**Public**

*** AL XXII-LEA SALON INTERNATIONAL AL INVENTIILOR SI CERCETARII "INVENTICA 2018" - 27.06.2018-29.06.2018,**
Iasi, Romania, Lost Steps Hall, Technical University "Gheorghe Asachi" of Iași, Bd. Carol I, no. 11 A

DR. ING.

POPOVICI ERNEST

CUPRINS

PREAMBUL

Evidentiez importanta contributie a echipei GEA / CIVITTA la reusita pentru INFLPR a evenimentului, vezi si anexele grafice.
Profesionalismul, expertiza si experienta GEA / CIVITTA au asigurat succesul INFLPR – PRELAM la acest eveniment si nu in ultimul rand activitatea comuna in colaborarile anterioare.

Printre altele evidentiez organizarea in ansamblu si sub aspect **logistic si publicitar**:

Invitatie din partea directorului de proiect pentru a vizita standul INFLPR si a participa la WORKSHOP, **Prof. Dr. I.N. Mihailescu**	Invitatie oficiala INFLPR Iasi.pdf
Lista participantilor la WSH – INFLPR – PRELAM, INVENTICA – Iasi, 28_06_2018	Lista participanti INFLPR Iasi 28_06_2018.pdf
INSTITUTUL NATIONAL PENTRU FIZICA LASERILOR, PLASMEI SI RADIATIEI - INFLPR **WORKSHOP** - PREZENTARE TEHNOLOGIE **Noi tehnologii avansate de acoperire a suprafetelor folosind fascicul laser de mare putere** • prezentare PRELAM • cerinte specializate • aplicatii industriale • discutii	Invitatie workshop Iasi PRELAM.pdf
Materiale grafice si video	

PREZENTARE INVENTICA -2018

The 22nd International Exhibition of Inventics " **INVENTICA 2018** ", 27.06.18–29.06.18 Iasi, Romania. Lost Steps Hall, Technical University "Gheorghe Asachi" of Iași, Bd. Carol I, no. 11 A, Romania, Patents, patent application and innovation, research and development projects can participate at the exhibition, Technical University "Gheorghe Asachi" of Iași and National Institute of Inventions Iași (INI).

SCOPUL EXPOZIȚIEI / SALONULUI

» Diseminarea rezultatelor cercetărilor;
» Parteneriate, acorduri;
» Crearea și dezvoltarea de noi idei de cercetare;
» Transfer de tehnologie;
» Implementare / punere în aplicare
» Brevete, cereri de brevete
» Inovare,
» Proiecte de cercetare și dezvoltare.

PROGRAM

Locatia	Sala pasilor pierduti, Iasi	
Program		
Sosire participanti		
Instalare in standuri	26.06.2018	16.00 -20.00 -Amenajare standuri
Deschidere	27.06.2018	08.00 - 10.00 -Amenajare standuri 09.30 - 10.00 - Primire participanti 10.00 - 11.30 - Festivitate de deschidere - Aula Universitatii Tehnice ,,Gheorghe Asachi" din Iasi 11.30 - 12.00 - Pauza 12.00 - 13.00 - Lansare de carte 13.00 - 15.00 - Pauza 15.00 - 17.00 - Workshop 18.00 - 20.00 - Eveni ment *omagial*
	28.06.2018	09.00 - 12.00 - Jurizare 12.00 - 14.00 - Pauza 14.00 - 18.00 - Jurizare **16:00 - 18:00 - Workshop - Promovarea rezultatelor proiectului " Noi tehnologii avansate de acoperire a suprafetelor folosind fascicul laser de mare putere in vederea cresterii fiabilitatii si a performantelor materialelor (PRELAM)", Institutul National pentru Fizica Laserilor,Plasmei si Radiatiei, Magurele, INFLPR, Biblioteca Universitatii Tehnice ,,Gheorghe Asachi", din Iasi/ Amfiteatrul P2.** 19.00 - 22.00 - Masa festiva Restaurant Dragon
Ceremonia de Premiere	29.06.2018	10.00- 11.00 - Eliberare standuri 11.00 - 12.00 - FESTIVITATE DE PREMIERE

PREZENTAREA PRELAM SI DPI AFERENTE

In cadrul PRELAM sunt utilizate DPI - drepturi de proprietate intelectuala dupa cum urmeaza:
a) pre-existenta prezentului contract, dar elaborate de INFLPR,
b) rezultata din activitatea aferenta contractului PRELAM, si care fac parte din obiectivele contractului si / sau a contractelor subsidiare,
c) rezultata din activitatea aferenta contractului, dar care nu fac parte din obiectivele contractului dar care sunt rezultate a activitatilor contractului, respectiv a contractelor subsidiare.

In cadrul salonului la standul INFLPR au fost prezentate proiectul PRELAM si DPI functie de stadiul de examinare a DPI:

1	
Participant name (University, Research Institute, Company)	INFLPR - **NATIONAL INSTITUTE FOR LASERS, PLASMA AND RADIATION PHYSICS**
Patent/ patent application title	CAP DE DEPUNERE CU SINTEZA IN SITU DE NP CU LASER CLADDING HEAD WITH IN SITU SYNTHESIS OF NP BY LASER

Authors	Mihailescu N. Ion, Popovici Ernest, Ristoscu Carmen-Georgeta, Hapenciuc Claudiu, Mihailescu Cristian, Badiceanu Maria, Gavrila-Fiorescu Carmen-Lavinia
Patent/ patent application number	**A00943/16.11.2017**
Patent/ patent application description (romanian), max. 100 words	Capul de depunere cu sinteza in situ de NP cu laser – CDS, este un cap coaxial cu alimentarea de pulberi discontinua, de preferat cu minim sase injectoare. Inventia rezolva in acelasi timp inca o problema deosebita prin eliminarea stocarii si depozitarii NP prin sinteza in situ.
Patent/ patent application description (english), max. 100 words	The in situ nanoparticle synthesis head -CDS, is a coaxial head with discontinuously powder feeding, preferably with at least six injectors. By in situ synthesis the invention solves at the same time a particular problem by eliminating the storage and the stocking of NP.
Patent/ patent application domain	8, 9 ,25
Contact person name/ surname	POPOVICI ERNEST
PH	+40746100122
E-mail	popovici05@yahoo.co.uk
Address	ATOMISTILOR 409, P.O. Box: MG-36, cod 077125, BUCHAREST ROMANIA Tel: +4021 457 44 89, Fax: +4021 457 42 43

2

Participant name (University, Research Institute, Company)	INFLPR - **NATIONAL INSTITUTE FOR LASERS, PLASMA AND RADIATION PHYSICS**
Patent/ patent application title	INSTALATIE DE SINTEZA A COMPOZITELOR FOTOCATALITICE CU HETEROJONCTIUNI PRIN PIROLIZA LASER INSTALLATION FOR SYNTHESIS OF PHOTOCATHALITIC COMPOSITES WITH HETEROJONCTIONS BY LASER PIROLYSIS
Authors	Ernest Popovici, Carmen Lavinia Gavrila Florescu, Dutu Elena
Patent/ patent application number	**A00943/16.11.2017**
Patent/ patent application description (romanian), max. 100 words	Inventia reprezinta o instalatie de sinteza a compozitelor fotocatalitice cu heterojonctiuni TiO2-oxid de fier prin piroliza laser cu precursori lichizi. Introduce in domeniul sintezelor de NP/NS realizarile obtinute in domeniul procesarii precursorilor lichizi si separarea .... printr-o metoda convectiva. Precursorii lichizi utilizati: TTIP, Fe(CO)5, Fe(C5O5).
Patent/ patent application description (english), max. 100 words	The invention is a synthesis installation of photocatalytic composites, with TiO2-iron oxide junction, by laser pyrolysis of liquid precursors . Introduces in the field of NP / NS synthesis the achievements obtained in the field of liquid precursor processing and .... by a convective method. Liquid precursors used: TTIP, Fe (CO) 5, Fe (C5O5).
Patent/ patent application domain	8, 9 ,25
Contact person name/ surname	POPOVICI ERNEST
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3

Participant name (University, Research Institute, Company)	INFLPR - **NATIONAL INSTITUTE FOR LASERS, PLASMA AND RADIATION PHYSICS**
Patent/ patent application title	SISTEM FLEXIBIL DE DEPUNERE DE MATERIALE CU LASER FLEXIBLE SYSTEM FOR LASER DEPOSITION OF MATERIALS
Authors	Ion N. Mihailescu, Carmen-Georgeta Ristoscu, Cristian Mihailescu, Claudiu Hapenciuc, Maria Badiceanu, Carmen Lavinia Gavrila Florescu, Ernest Popovici
Patent/ patent application number	**A00123_01.03.2017**
Patent/ patent application description (romanian), max. 100 words	Instalatia flexibila de depunere de materiale cu laser LC permite imbunatatirea diferitelor proprietati ale pieselor procesate. Tehnologia suprafetelor este performanta datorita alierii materialelor de depunere cu NP/NS optimizate si personalizate.
Patent/ patent application description (english),	The flexible LC laser deposition facility allows the various properties of the processed parts to be improved. Surface technology is performance due to the alloying of optimized and personalized NP / NS deposition materials.
Patent/ patent application domain	8, 9 ,25
Contact person name/ surname	POPOVICI ERNEST
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E-mail	popovici05@yahoo.co.uk
Address	ATOMISTILOR 409, P.O. Box: MG-36, cod 077125, BUCHAREST ROMANIA Tel: +4021 457 44 89, Fax: +4021 457 42 43

4

Participant name (University, Research Institute, Company)	INFLPR - **NATIONAL INSTITUTE FOR LASERS, PLASMA AND RADIATION PHYSICS**
Patent/ patent application title	METODA DE SINTEZA DE NANOPARTICULE / NANOSTRUCTURI DE Ti02 PRIN PIROLIZA CU LASER CU C02
Authors	Carmen Lavinia Gavrila Florescu, Ernest Popovici, Morjan Ion, Diamandescu Lucian Constantin, Raditoiu Valentin, Raditoiu Alina, Wagner Luminita Eugenia, Badoi Anca Daniela, Miron Dan**,**
Patent/ patent application number	**RO131631**
Patent/ patent application description (romanian),	Inventia se refera la un procedeu de obtinere a dioxidului de titan prin piroliza laser, pentru aplicatii in fotocataliza. Procedeul conform inventiei consta in procesarea termica .... 50 m2/g, pentru aplicatii fotocatalitice in domeniul dimensiunilor de pana la 30 nm.
Patent/ patent application description (english),	The invention relates to a process for preparing titanium dioxide by laser pyrolysis, for applications in photocatalysis. According to the invention, the process comprises the .... surface of at least 50 m/g for photocatalytic applications in the size range of up to 30 nm.
Patent/ patent application domain	8, 9 ,25
Contact person name/ surname	POPOVICI ERNEST
PH	+40746100122
E-mail	popovici05@yahoo.co.uk

Address	ATOMISTILOR 409, P.O. Box: MG-36, cod 077125, BUCHAREST ROMANIA Tel: +4021 457 44 89, Fax: +4021 457 42 43
5	
Participant name (University, Research Institute, Company)	INFLPR - **NATIONAL INSTITUTE FOR LASERS, PLASMA AND RADIATION PHYSICS**
Patent/ patent application title	ANSAMBLU DE ELECTROZI A-K DE DESCARCARE DE INALTA TENSIUNE PENTRU LASERII DE MARE PUTERE CU C02 CU CIRCULATIA TRANSVERSALA A GAZELOR GT-1200
Authors	Barbut Anca Daniela, Niculescu Ana-Maria, Popovici Ernest, Morjan Ion, Alexandrescu Rodica, Voicu Ion, Gavrilă Florescu Carmen Lavinia, Mmorjan Iuliana, Luculescu Romeo Cătălin, Dumitrache Florian, Sandu Ion, Fleaca Claudiu Teodor, Scărişoreanu Gina Monica, Duţu Elena
Patent/ patent application number	**RO 127702**
Patent/ patent application description (romanian),	Inventia se refera la un ansamblu de electrozi de descarcare de inalta tensiune, pentru laseri de mare putere cu C02, cu circulatie transversala a gazelor. Ansamblul de electrozi, conform inventiei. este alcatuit dintr-o placa suport **(1),** pe care sunt montate: doua placi .... capac (7) ce asigura protectie mecanica si izolatie electrica fala de mediul inconjurator.
Patent/ patent application description (english),	The invention relates to a high voltage discharge electrode assembly for COhigh power lasers with transverse circulation of gases. According to the invention, the electrode assembly comprises a support plate (1) whereon there are mounted : two anode plates .... ensures the mechanical protection and the electrical insulation against the environment.
Patent/ patent application domain	8, 9 ,25
Contact person name/ surname	POPOVICI ERNEST
PH	+40746100122
E-mail	popovici05@yahoo.co.uk
Address	ATOMISTILOR 409, P.O. Box: MG-36, cod 077125, BUCHAREST ROMANIA Tel: +4021 457 44 89, Fax: +4021 457 42 43

WORKSHOP – PRELAM

Material grafic	PPTX	#_00-0517-R0.pptx
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		^CLEANPHOTOCOAT-ZnO-01'15-94_2014-PN-II-PT-PCCA-2013-4-0864_27.06.15.avi

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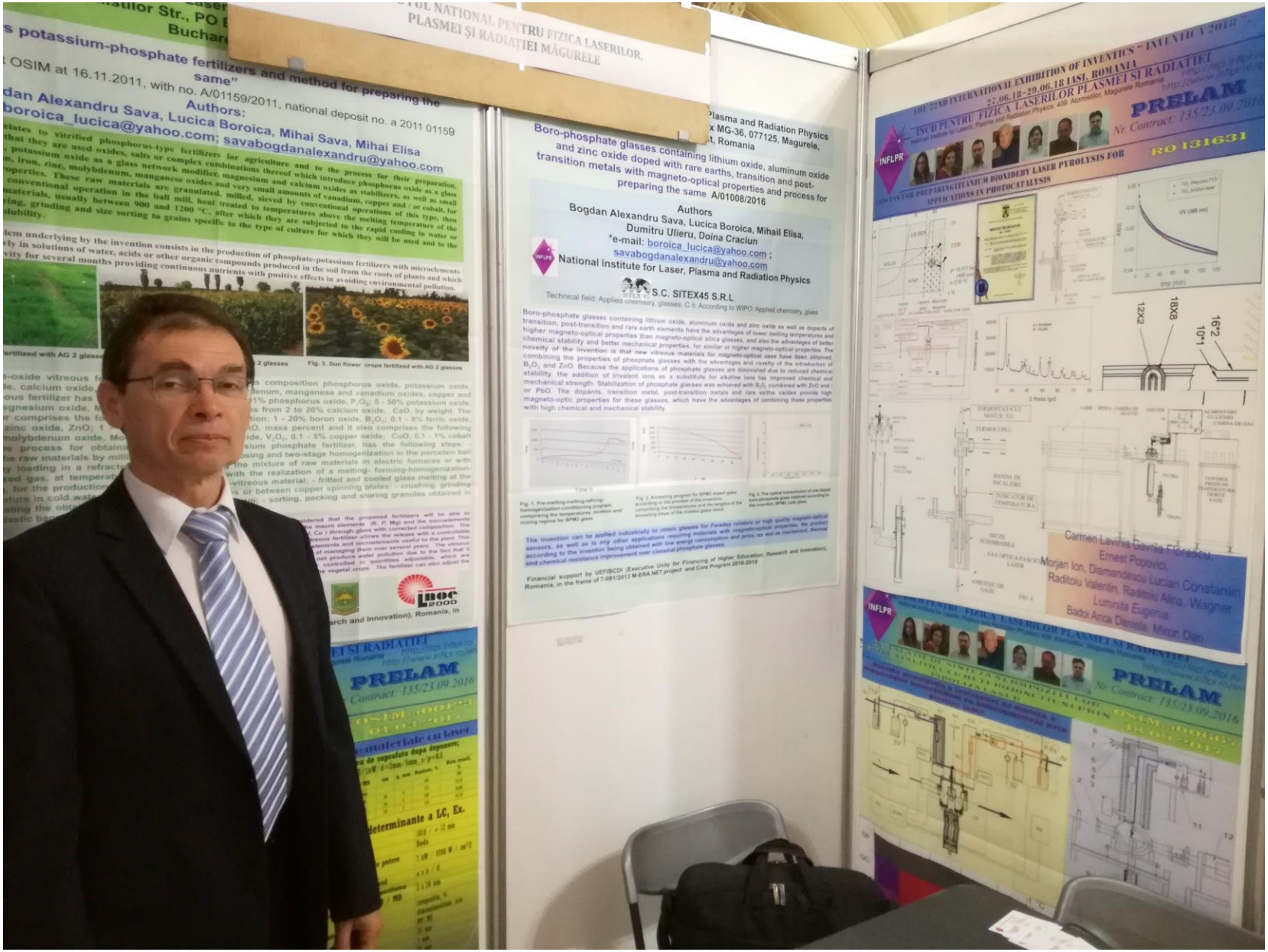
REZULTATE

MEDALII DE AUR	**5**
MEDALII DE ARGINT	**CUPA/TM-**
DIPLOME	**6**
WSH	

PREZENTA INFLPR IN IMAGINI


INSTITUTUL NATIONAL PENTRU FIZICA LASERILOR,
PLASMEI ŞI RADIAŢIEI MĂGURELE
"Vitreous potassium-phosphate fertilizers and method for preparing the same"
registered at OSIM at 16.11.2011, with no. A/01159/2011, national deposit no. a 2011 01159
Authors:
Bogdan Alexandru Sava, Lucica Boroica, Mihai Sava, Mihai Elisa
*e-mail: boroica_lucica@yahoo.com; savabogdanalexandru@yahoo.com
Boro-phosphate glasses containing lithium oxide, aluminum oxide and zinc oxide doped with rare earths, transition and post-transition metals with magneto-optical properties and process for preparing the same A/01008/2016
Authors
Bogdan Alexandru Sava, Lucica Boroica, Mihail Elisa,
Dumitru Ulieru, Doina Craciun
*e-mail: boroica_lucica@yahoo.com ;
savabogdanalexandru@yahoo.com
National Institute for Laser, Plasma and Radiation Physics
S.C. SITEX45 S.R.L
PRELAM
FLEXIBLE SYSTEM FOR LASER DEPOSITION OF MATERIALS
Elementele determinante a LC, Ex.


s potassium-phosphate fertilizers and method for preparing the same"
Authors:
dan Alexandru Sava, Lucica Boroica, Mihai Sava, Mihai Elisa
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Boro-phosphate glasses containing lithium oxide, aluminum oxide and zinc oxide doped with rare earths, transition and post-transition metals with magneto-optical properties and process for preparing the same A/01008/2016
Authors
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National Institute for Laser, Plasma and Radiation Physics
S.C. SITEX45 S.R.L
PRELAM
Contract: 135/23.09.2016
RO 131631
Carmen Lavinia Savina Florescu, Ernest Popovici, Morjan Ion, Diamandescu Lucian Constantin, Raditoiu Valentin, Raditoiu Alina, Wagner Luminita Eugenia, Badoi Anca Daniela, Miron Dan

Universitatea Tehnică
"Gheorghe Asachi" din Iași

Institutul Național
de Inventică, Iași

Diploma

GOLD MEDAL
INVENTICA 2018

Offered to Mr / Ms

National Institute for Laser,
Plasma and Radiation Physics Magurele

FLEXIBLE SYSTEM FOR LASER DEPOSITION OF MATERIALS

ION N. MIHAILESCU, CARMEN-GEORGETA RISTOSCU,
CRISTIAN MIHAILESCU, CLAUDIU HAPENCIUC,
MARIA BADICEANU,
CARMEN LAVINIA GAVRILA FLORESCU, ERNEST POPOVICI

in recognition of high scientific contribution
and loyalty to the XXII-th International Salon of Research,
Innovation and Technological Transfer

INVENTICA 2018

Iasi, Romania,
27 - 29 June 2018

THE NATIONAL INVENTICS INSTITUTE
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MANAGER
NATIONAL INSTITUTE OF INVENTICS
Prof. Neculai SEGHEDIN PhD

Universitatea Tehnică
"Gheorghe Asachi" din Iași

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de Inventică, Iași

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Plasma and Radiation Physics Magurele

ANSAMBLU DE ELECTROZI A-K DE DESCARCARE DE INALTA TENSIUNE PENTRU LASERII DE MARE PUTERE CUC02 CU CIRCULATIA TRANSVERSALA A GAZELOR GT-1200

BARBUT ANCA DANIELA, NICULESCU ANA-MARIA, POPOVICI ERNEST, MORJAN ION,
ALEXANDRESCU RODICA, VOICU ION,
GAVRILĂ FLORESCU CARMEN LAVINIA, MORJAN IULIANA,
LUCULESCU ROMEO CĂTĂLIN, DUMITRACHE FLORIAN, SANDU ION,
FLEACA CLAUDIU TEODOR, SCĂRIȘOREANU GINA MONICA, DUȚU ELENA

in recognition of high scientific contribution

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Universitatea Tehnică
"Gheorghe Asachi" din Iași

Institutul Național
de Inventică, Iași

Diploma

GOLD MEDAL
INVENTICA 2018

Offered to Mr / Ms

National Institute for Laser,
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INSTALLATION FOR SYNTHESIS OF PHOTOCATHALITIC COMPOSITES WITH HETEROJONCTIONS BY LASER PIROLYSIS

ERNEST POPOVICI,
CARMEN LAVINIA GAVRILA FLORESCU, DUTU ELENA

in recognition of high scientific contribution
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Prof. Neculai SEGHEDIN PhD

Universitatea Tehnică
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Institutul Național
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Diploma

GOLD MEDAL
INVENTICA 2018

Offered to Mr / Ms

National Institute for Laser,
Plasma and Radiation Physics Magurele

CLADDING HEAD WITH IN SITU SYNTHESIS OF NP BY LASER

MIHAILESCU N. ION, POPOVICI ERNEST,
RISTOSCU CARMEN-GEORGETA,
HAPENCIUC CLAUDIU, MIHAILESCU CRISTIAN,
BADICEANU MARIA, GAVRILA-FIORESCU CARMEN-LAVINIA

in recognition of high scientific contribution
and loyalty to the XXII-th International Salon of Research,
Innovation and Technological Transfer

INVENTICA 2018

Iasi, Romania,
27 - 29 June 2018

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Prof. Neculai SEGHEDIN PhD

INSTITUTUL NATIONAL DE CERCETARE DEZVOLTARE PENTRU MECATRONICĂ ȘI TEHNICA MĂSURĂRII - București

CLUSTERUL STRATEGIC PENTRU DOMENIUL SPECIALIZAT INTELIGENT MECATRONICĂ - MECHATREC

(Brand: «Mecatronica & Cyber - MixMecatronica pentru Viitor»)

DIPLOMA DE EXCELENȚĂ
&
TROFEUL GROUP MECHATRON
(INCDMTM & CRTTC & CLUSTER STRATEGIC - MECHATREC & APROMECA)

se acordă

D-lui/D-nei. ION N. MIHAILESCU, CARMEN-GEORGETA RISTOSCU, CRISTIAN MIHAILESCU, CLAUDIU HAPENCIUC, MARIA BĂDICEANU, CARMEN LAVINIA GAVRILĂ FLORESCU, ERNEST POPOVICI „SISTEM FLEXIBIL DE DEPUNERE DE MATERIALE cu LASER" ÎN. FIZICA LASERILOR, PLASMEI ȘI RADIAȚIEI - MĂGURELE, CLASA A.

cu ocazia

« SALONULUI INTERNȚIONAL DE INVENȚII ȘI INOVAȚII ” TRAIAN VUIA ” Timișoara ediția a III - a »

13 ÷ 15 Iunie 2018

PRESEDINTE C.A.
&
DIRECTOR GENERAL INCDMTM București
Prof. Univ. Dr. Ing. Eurlng. Dr.h.c. Gh. Ion GHEORGHE


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2018


INVENTICA 2018
27-29 June 2018
Iaşi, Romania
INVENTICA 2018
27-29 June 2018
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Iaşi, Romania
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2018


INVENTICA 2018
27-29 June 2018
Iași, Romania
THE XXII-ND INTERNATIONAL EXHIBITION OF RESEARCH, INNOVATION AND TECHNOLOGICAL TRANSFER "GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IAȘI
NATIONAL INVENTICS INSTITUTE IAȘI


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Investitori
Director de proiect
PROF. Ion N. Mihailescu
04.05.2017
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DR. ING. ERNEST POPOVICI
DR. CARMEN RISTOSCU
DR. CLAUDIU HAPENCIUC
DR. CRISTIAN N. MIHAILESCU


Director de proiect
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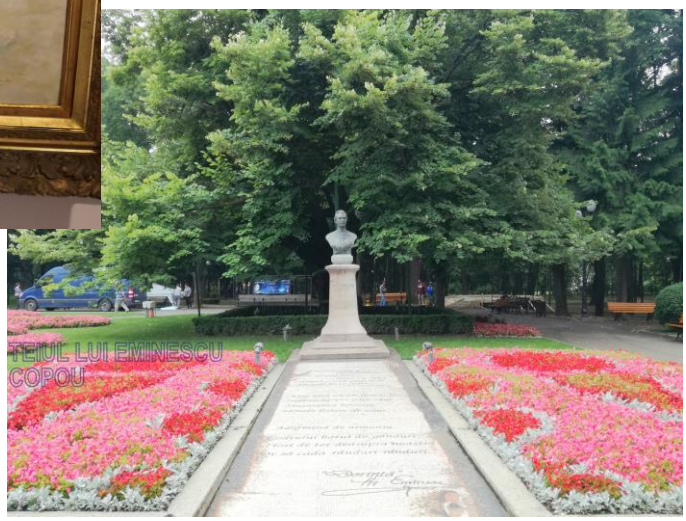
OBUZIERE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