



PROGRAM OF THE

INTERNATIONAL SYMPOSIUM

ISB-INMA TEH

**AGRICULTURAL AND MECHANICAL
ENGINEERING**

- 2014 -

30 October – 1 November

University POLITEHNICA of Bucharest

30 October

- 14⁰⁰ - 15⁰⁰ - **Registration of participants**
15⁰⁰ - 18⁰⁰ - **Opening speech: Festivity Hall “Radu Voinea” (AN 010)**

Plenary Session Presentations

- *PhD. Eng. Daniel BOTĂNOIU, Secretary of State - MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT, Romania;*
- *Prof. PhD. Eng. Gigel PARASCHIV, Secretary of State - HIGHER EDUCATION - MINISTRY OF NATIONAL EDUCATION;*
- *Prof. PhD. Eng. Sorin CÎMPEANU, Rector - UNIVERSITY OF AGRONOMIC SCIENCE AND VETERINARY MEDICINE;*
- *Prof. PhD. Eng. George DARIE, Rector – UNIVERSITY POLITEHNICA OF BUCHAREST;*
- *Prof. PhD. Eng. Ecaterina ANDRONESCU, Senate President - UNIVERSITY POLITEHNICA OF BUCHAREST;*
- *Prof. PhD. Eng. Ion PIRNĂ, General Manager - NATIONAL INSTITUTE OF RESEARCH - DEVELOPMENT FOR MACHINES AND INSTALLATIONS DESIGNED TO AGRICULTURE AND FOOD INDUSTRY (INMA);*
- *Prof. PhD. Eng. Essam WASIF, Director - AGRICULTURAL ENGINEERING RESEARCH INSTITUTE (AEnRI);*
- *PhD. Eng. Cornelia MURARU-IONEL, INMA BUCHAREST - “Clusters For European Innovation Cross-Linking”;*
- *Eng. Ion PARASCHIV, Technical Manager - MAȘINI AGRICOLE PERFORMANTE (MAP);*
- *PhD. Eng. Florin NEACȘU, Deputy Managing Director - NHR AGROPARTNERS: Best practices for soil conservation and soil water; Twin rotors combines bring a new world record in the New Holland portfolio.*

- 18³⁰ – ... - **Festive Dinner.**

31 October

Faculty I.S.B. (D 101, 113, 115, 117)

- 9⁰⁰ - 9¹⁵ - **Registration of participants**
9¹⁵ – 10⁵⁰ - **Presentation of papers on sections (ORAL)**
10⁵⁵ - 11¹⁰ - **Coffee break**
11¹⁰ – 13¹⁵ - **Presentation of papers on sections (ORAL)**
13¹⁰ – 13³⁰ - **Coffee break**
13³⁵ – 14⁴⁵ - **Presentation of papers on sections (POSTER)**
14⁵⁰ – 15⁵⁰ - **Lunch break**
15⁵⁰ – 16³⁰ - **Presentation of papers on sections (POSTER)**
16³⁰ – 18³⁰ - **Visit of the Laboratories of Faculty Biotechnical Systems Engineering / INMA Bucharest. Networking: Future Cooperation Possibilities**
19⁰⁰ – ... - **Dinner.**

1 November

- 9³⁰ – 15³⁰ - **Symposium Trip to Baci Farm (CĂLĂRAȘI County) and Fetești Winnery (IALOMIȚA County)**
13³⁰ - 15³⁰ - **Lunch (Fetești Winnery).**

SPONSORS

- AGROPAN OYL S.A. URZICENI
- SC SOMALEX SRL SLOBOZIA
- SC ALDIS AP SRL CĂLĂRAȘI
- SC ROMTECH SRL SIBIU
- SC RURIS IMPEX SRL
- MAP SRL
- NHR AGROPARTNERS
- SC IMAGINI SPORT SRL Tichilești

SECTION 1 - POWER AND MACHINERY - ORAL PRESENTATION		SECTION 2 - ECOLOGY & ENVIRONMENT - ORAL PRESENTATION	
Chairman:	Prof. Ph.D. Eng. ŢENU Ioan / Assoc. Prof. Ph.D. Eng. MAICAN Edmond Prof. Ph.D. Eng. FABBRIO Inácio M. D. (Hall D101 - Fac. I.S.B.)	Chairman:	Prof. Ph.D. Eng. FILIP Nicolae / Prof. Ph.D. Eng. PIRNĂ Ion Prof. Ph.D. Eng. PARASCHIV Gigel (Hall D113 - Fac. I.S.B.)
INTERACTION PROCESS BETWEEN STRIP-TILLAGE EQUIPMENT, PLANT RESIDUES AND SOIL / JUOSTINIO ŽEMĖS DIRBIMO MAŠINOS, AUGALINIŲ LIEKANŲ IR DIRVOS SĄVEIKOS TYRIMAI PhD. Stud. Vaitauskienė K., Prof. Šarauskis E. Institute of Agricultural Engineering and Safety, Aleksandras Stulginskis University, Lithuania E-mail: kristina.vaitauskiene@asu.lt, egidijus.sarauskis@asu.lt	9 ¹⁵ +9 ³⁵	MODELING FOR USE OF WATER IN AGRICULTURE / MODELLAZIONE PER L'USO DELLE ACQUE IN AGRICOLTURA Prof. Eng. Trulli E., Prof. Eng. Ph.D. Torretta V., Dr. Eng. Ph.D. Rada E.C., Lect. Eng. Ph.D. Istrate I.A., Prof. Eng. Papa E.A. ¹ University of Basilicata, Potenza / Italy; ² University POLITEHNICA Bucharest / Romania E-mail: ettore.trulli@unibas.it	9 ¹⁵ +9 ³⁵
EXPERIMENTAL DETERMINATION OF FLOW CONCENTRATION FOR PNEUMATIC CONVEYING SYSTEMS OF AIR-SEEDERS / DETERMINATION EXPÉRIMENTALE DE LA CONCENTRATION DE TRANSPORT DANS LES SYSTÈMES DE DISTRIBUTION DES SEMOIR PNEUMATIQUES Ph.D. Stud. Yatskul A.I. ^{1,2} , Assoc. Prof. Ph.D. Lemièrre JP. ¹ ¹ Kuhn SA / France; ² National Institute of Higher Education in Agronomy, Food and Environmental Sciences (AgroSup Dijon) / France E-mail: andr.jat@mail.ru; jean-pierre.lemiere@agrosupdijon.fr	9 ³⁵ +9 ⁵⁵	A COMPARISON BETWEEN DIESEL AND FUEL OBTAINED FROM RECYCLED WASTE PLASTICS USED FOR FUELED DIESEL ENGINES / COMPARAREA MOTORINEI CU COMBUSTIBILI OBTINUȚI DIN MASE PLASTICE RECICLATE UTILIZABILI LA ALIMENTAREA MOTOARELOR DIESEL As. Ph.D. Eng. Popescu G.L. ¹ , Prof. Ph.D. Eng. Filip N. ¹ , Prof. Ph.D. Eng. Popescu V. ² ¹ Technical University of Cluj Napoca, Faculty of Mechanical Engineering / Romania ² Technical University of Cluj Napoca, Faculty of Materials and Environmental Engineering / Romania E-mail: george.popescu@chem.utcluj.ro; georgepopescu60@gmail.com	9 ³⁵ +9 ⁵⁵
RESEARCHES REGARDING THE EFFECT OF TILLAGE OPERATIONS ON SOME PHYSICAL CHARACTERISTICS OF SOIL / CERCETĂRI PRIVIND IMPACTUL LUCRĂRILOR DE PREGĂTIRE A PATULUI GERMINATIV ASUPRA UNOR ÎNSUȘIRI FIZICE ALE SOLULUI Prof. Ph.D. Eng. Ţenu I., Prof. Ph.D. Eng. Roșca R., Lect. Ph.D. Eng. Cârlescu P., D. Eng. Butnaru C.L. University of Agricultural Sciences and Veterinary Medicine Iași, Faculty of Agriculture / Romania E-mail: itenu@uaiaasi.ro	9 ⁵⁵ +10 ¹⁵	RESEARCH ON COPPER IONS REMOVAL FROM INDUSTRIAL WASTEWATER USING ENVIRONMENTAL FRIENDLY NANOMATERIALS / CERCETĂRI PRIVIND ÎNDEPĂRTAREA IONILOR DE CUPRU DIN APA UZATĂ INDUSTRIALĂ UTILIZÂND NANOMATERIALE NEPOLUANTE Lect. Ph.D. Eng. Covaliu C. ¹ , Ph. D. Chim. Bunghez I.R. ² , Prof. Ph.D. Eng. Biriș S.Șt. ¹ , Prof. Ph.D. Eng. Paraschiv G. ¹ ¹ University POLITEHNICA of Bucharest, Faculty of Biotechnical Systems Engineering / Romania ² INCDCP-ICECHIM Bucharest / Romania E-mail: cristina_covaliu@yahoo.com	9 ⁵⁵ +10 ¹⁵
MOIRÉ SUPPORTED STRESS DISTRIBUTION STUDY ON GEARS / APLICAÇÃO DA TÉCNICA DE MOIRÉ NO ESTUDO DA DISTRIBUIÇÃO DE CARGAS EM ENGENHAGENS BSAE. Stud. Eng Dafine Villa ⁽¹⁾ , Prof. Ph.D. Eng. Jonathan Gazzola ⁽²⁾ , Prof. Ph.D. Eng. Inácio M. D. Fabbro ⁽¹⁾ , Ph.D. Stud. Eng. Marcos V. G. Silva ⁽¹⁾ ¹ Faculty of Agricultural Engineering, UNICAMP, Campinas / Brazil; ² Department of Agricultural Engineering, UFS, Aracaju / Brazil E-mail: inacio@feagri.unicamp.br	10 ¹⁵ +10 ³⁵	THE USE OF PELARGONIUM FOR THE REMEDIATION OF ORGANIC CONTAMINATED SOIL / UTILIZAREA PLANTELOR PELARGONIUM PENTRU REMEDIEREA SOLURILOR CONTAMINATE ORGANIC Lect. Ph.D. Stud. Eng. Istrate I.A. ¹ , Ph.D. Eng. Rada E.C. ² , Prof. Ph.D. Eng. Ragazzi M. ² ¹ University POLITEHNICA of Bucharest / Romania; ² University of Trento / Italy E-mail: ia_istrate@yahoo.com	10 ¹⁵ +10 ³⁵
DYNAMICS OF OVERSOWING MACHINE MSPD 2,5 RELATED TO WORKING AND CONSTRUCTIVE PARAMETERS / DINAMICA MAȘINII DE SUPRĂÎNSĂMÂNTAT MSPD 2,5 ÎN CORELAȚIE CU PARAMETRII DE LUCRU ȘI CONSTRUCTIVI Ph.D. Eng. Ene T.A., Ph.D. Eng. Mocanu V. Research-Development Institute for Grassland Brasov / Romania E-mail: tudorene@yahoo.com, vasmocanu@yahoo.com	10 ³⁵ +10 ⁵⁵	INNOVATIVE TECHNOLOGY FOR IRRIGATION AND CLIMATE CONTROL IN VEGETABLE GREENHOUSES / TEHNOLOGIE INOVATIVĂ DE IRIGAȚII ȘI CONTROLUL CLIMEI ÎN SERELE LEGUMICOLE Ph.D. Eng. Marin E., Prof. Ph.D. Eng. Pîrnă I., Ph.D. Eng. Manea D., Ph.D. Stud. Matache M. INMA Bucharest / Romania E-mail: marin_43eu@yahoo.com	10 ³⁵ +10 ⁵⁵
THE INFLUENCE OF METALLOGRAPHIC STRUCTURE OVER THE ATTRITION OF ACTIVE ORGANS OF AGRICULTURAL EQUIPMENTS MADE FROM SINTERED IRON-BASED MATERIALS / ÎNCERCĂRI ALE UNOR MATERIALE SINTERIZATE PENTRU CONSTRUCȚIA ORGANELOR ACTIVE ALE MAȘINII DE PLANTAT RĂSADURI Prof. Ph.D. Eng. Sărăcin I. ¹ , Lect. Ph.D. Eng. Pandia O. ² , Assoc. Prof. Ph.D. Eng. Bozgă I. ² ¹ University of Craiova / Romania; ² University of Agricultural Sciences and Veterinary Medicine Bucharest, Romania; E-mail: ion_saracin@yahoo.com	10 ³⁵ +10 ⁵⁵ Coffee break	PRODUCTION OF POLYPORUS SQUAMOSUS BIOMASS IN SUBMERGED CULTURE WITH ALTERNATIVE CARBON SOURCE / OBTINEREA DE BIOMASĂ DIN POLYPORUS SQUAMOSUS ÎN CULTURĂ SUBMERSĂ CU SURSE DE CARBON ALTERNATIVE Assoc. Prof. Ph.D. Ferdeș M., Lect. Ph.D. Eng. Dincă M. University POLITEHNICA of Bucharest, Faculty of Biotechnical Systems Engineering / Romania E-mail: marianaferdes@yahoo.com	10 ³⁵ +10 ⁵⁵ Coffee break
THE EGYPTIAN EXPERIENCE WITH THE PRODUCTION OF AGRICULTURAL EQUIPMENT SPARE PARTS FROM AUSTEMPERED DUCTILE IRON (ADI) / التجربة المصرية لتصنيع قطع غيار المعدات الزراعية المعرضة من سبيكة الزهر المرن على المتانة (ADI) Prof. Adel Nofal ¹ , Dr. Hesham Farag ² ¹ Central Metallurgical R&D Institute (CMRDI), Cairo / Egypt; ² Aggricultural Engineering Research Institute (AENRI), Cairo / Egypt E-mail: adelnofal@hotmail.com; heshamfaragarc@hotmail.com	11 ³⁰ +11 ⁵⁰	INDOOR ENVIRONMENTAL MONITORING OF CLEAN ROOMS / MONITORIZAREA MEDIULUI DIN SPAȚII STERILE Lect. Ph.D. Eng. Safta V.V. ¹ , Eng. S.R. Ciucă V.C. ² ¹ University POLITEHNICA of Bucharest, Faculty of Biotechnical Systems Engineering / Romania ² N.S. "Pasteur Institute" Bucharest / Romania E-mail: saftavictoriorel@yahoo.com	11 ³⁰ +11 ⁵⁰
KINEMATIC STUDY OF THRESHING PROCESS CONDUCTED BY TANGENTIAL THRESHING SYSTEM OF CONVENTIONAL CEREAL HARVESTING COMBINES / STUDIUL CINEMATIC AL PROCESULUI DE TREIER REALIZAT DE APARATUL DE TREIER TANGENȚIAL AL COMBINELOR CONVENȚIONALE DE RECOLTAT CEREALE PhD. Eng. Ivan Gh., PhD. Eng. Vlăduț V. INMA Bucharest / Romania E-mail: geoivan2006@yahoo.com	11 ⁵⁰ +12 ¹⁰	ORGANIC PLANT AND ANIMAL WASTE MANAGEMENT SYSTEM / SISTEM ECOLOGIC DE GESTIONARE A DEȘEURILOR VEGETALE ȘI ANIMALE PhD. Eng. Ciuperca R., PhD. Stud. Eng. Lazar G., PhD. Stud. Eng. Zaica A, PhD. Stud. Eng. Zaica Al., PhD. Stud. Eng. Ivancu B., PhD. Stud. Eng. Petcu A, PhD. Stud. Eng. Gheorghe G. INMA Bucharest / Romania E-mail: ciuperca@inma.ro	11 ⁵⁰ +12 ¹⁰
RESEARCHES ON OBTAINING THE REAL STRESS SPECTRUM FOR THE RESISTANCE STRUCTURE OF THE MAS 65 DEEP SOIL LOOSENING MACHINE / CERCETĂRI PRIVIND OBTINEREA SPECTRULUI REAL DE SOLICITARE AL STRUCTURII DE REZISTENȚĂ A MAȘINII PENTRU AFĂNAREA ADÂNCĂ A SOLULUI MAS 65 PhD. Stud. Eng. Matache M. ¹ , Prof. Ph. Eng. Voicu Gh. ² , Math Cargea P. ¹ , PhD. Stud. Eng. Persu C. ¹ , Assoc. Prof. Ph.D. Eng. Savin L. ³ ¹ INMA Bucharest / Romania; ² University POLITEHNICA Bucharest / Romania; ³ University of Novi Sad / Serbia E-mail: matache@inma.ro	12 ¹⁰ +12 ³⁰	EXPERIMENTAL STUDY ON MICROGREENHOUSE AUTOMATIC CONTROL SYSTEM BASED ON ARDUINO / STUDIUL EXPERIMENTAL PRIVIND CONTROLUL AUTOMAT IN MICROSERE BAZAT PE ARDUINO Lect. Ph.D. Eng. Ipate G. ¹ , Prof. Ph.D. Eng. Voicu G. ¹ , Ph.D. Eng. Manea D. ² , Ph.D. Stud. Eng. Nutescu C. ¹ ¹ University POLITEHNICA of Bucharest / Romania; ² INMA Bucharest / Romania E-mail: puiuiipate@yahoo.com	12 ¹⁰ +12 ³⁰

SECTION 3 - FOOD INDUSTRY - ORAL PRESENTATION		SECTION 4 – YOUNG PEOPLE - ORAL PRESENTATION	
Chairman:	Prof. Ph.D. Eng. VOICU Gheorghe / Prof. Ph.D. Eng. CĂSĂNDRIU Tudor Prof. Ph.D. Eng. ÖZCAN Mehmet Musa (Hall D115 - Fac. I.S.B.)	Chairman:	Prof. Ph.D. Eng. BIRIŞ Sorin-Ştefan / Ph.D. Eng. VLĂDUŢ Valentin Lect. Ph.D. Eng. COVALIU Cristina (Hall D117 - Fac. I.S.B.)
DEVELOPMENT OF A IMAGE ANALYSIS TOOLBOX FOR THE SCILAB SOFTWARE / <i>DESENVOLVIMENTO DE UM TOOLBOX PARA ANÁLISE DE IMAGENS PARA O SOFTWARE SCILAB</i> Researcher Mário Nakano Neto ⁽¹⁾ , Ph.D. Researcher. Antonio Carlos Loureiro Lino ⁽¹⁾ , Prof. Ph.D. Eng. Inácio M. D. Fabbro ⁽¹⁾ ⁽¹⁾ IAC, Jundiá, SP, Brazil ⁽²⁾ Faculty of Agricultural Engineering, UNICAMP, Campinas, SP / Brazil E-mail: inacio@feagri.unicamp.br	9 ¹⁵ +9 ³⁵	CHARACTERISTICS OF VEGETAL FRAGMENTS FROM THE MEDICINAL PLANTS IN ORDER TO THEIR SORTING / <i>CARACTERISTICILE FRAGMENTELOR VEGETALE DIN PLANTE MEDICINALE ÎN VEDEREA SORTĂRII LOR</i> Ph.D. Stud. Biol. Pruteanu A. ¹⁾ , Prof. Ph.D. Eng. David L. ²⁾ , Ph.D. Stud. Eng. Muscălu A. ¹⁾ , Res.Assist. Dr. Selvi K.Ç. ³⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ University POLITEHNICA of Bucharest / Romania; ³⁾ Ondokuz Mayıs University / Turkey; E-mail: pruteanu_augustina@yahoo.com	9 ¹⁵ +9 ³⁵
MATHEMATICAL MODEL BASED ON WARNER – BRATZLER ANALYSE METHOD CONCERNING TENDERIZED PORK BONELESS LOIN IN ORDER TO PRODUCE ROMANIAN TRADITIONAL PRODUCT “COTLET PERELIT” TYPE / <i>MODEL MATEMATIC BAZAT PE METODA DE ANALIZĂ WARNER – BRATZLER PRIVIND FRĂGEZIREA COTLETULUI DE PORC ÎN VEDEREA PRODUCERII PRODUSULUI TRADIȚIONAL ROMĂNESC DE TIP “COTLET PERELIT”</i> Ph. D. Stud. Eng. Simion A.D. ¹⁾ , Math. Cârdeji R.P. ²⁾ , Assist. Prof. Ph.D. Eng. Roșca A. ³⁾ , Prof. Ph.D. Eng. Bădescu M. ³⁾ , Prof. Ph.D. Eng. Roșca D. ³⁾ ¹⁾ S.C. AVI – GIIS S.R.L. Stuparei, Valcea / Romania; ²⁾ INMA Bucharest / Romania; ³⁾ University of Craiova / Romania E-mail: simion_aurel08@yahoo.com	9 ³⁵ +9 ⁵⁵	ASPECTS REGARDING THE QUALITATIVE INDEXES OF THE WORK OF APPLICATION OF PHYTOSANITARY TREATMENTS IN THE FIELD CROPS / <i>ASPECTE PRIVIND INDICIILE CALITATIVE AI LUCRĂRII DE APLICAT TRATAMENTE FITOSANITARE ÎN CULTURILE DE CÂMP</i> Ph.D. Stud. Eng. Nițu M. ¹⁾ , Prof. Em. Ph.D. Eng. Căsândriu T. ²⁾ , Ph.D. Stud. Eng. Matache M. ¹⁾ , Ph.D. Eng. Vlăduț V. ¹⁾ , Ph.D. Eng. Caba Ioan ³⁾ , Ph.D. Stud. Eng. Mitu (Bârșan) M. ¹⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ University POLITEHNICA of Bucharest / Romania; ³⁾ MUNAX SRL Timișoara / Romania E-mail: rosumihaelan@yahoo.com	9 ³⁵ +9 ⁵⁵
RESEARCHES ON HORTICULTURAL PRODUCTS DECONTAMINATION DESIGNED FOR FRESH CONSUMPTION, USING NON-IONIZING UV-C ULTRAVIOLET RADIATION / <i>CERCETARI PRIVIND DECONTAMINAREA PRODUSELOR HORTICOLE DESTINATE CONSUMULUI ÎN STARE PROASPATA, UTILIZAND RADIATIA NEIONIZANTA ULTRAVIOLETA UV-C</i> Ph.D. Eng. Sorică C. ¹⁾ , Prof. Ph.D. Eng. Pirnă I. ¹⁾ , Ph.D. Stud. Eng. Matache M. ¹⁾ , Ph.D. Stud. Eng. Vocea I. ¹⁾ , Eng. Grigore I. ¹⁾ , Eng. Bolintineanu Gh. ¹⁾ , Ph.D. Stud. Eng. Cujbescu D. ¹⁾ , Ph.D. Stud. Eng. Sorică E. ¹⁾ , Ph.D. Eng. Kabas O. ²⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ Bati Akdeniz Agricultural Research Institute, Antalya / Turkey E-mail: cri_sor2002@yahoo.com	9 ⁵⁵ +10 ¹⁵	FACTORS INFLUENCING THE ARTIFICIAL COMPACTION OF AGRICULTURAL SOIL – A REVIEW / <i>FACTORII CARE INFLUENȚĂZĂ COMPACTAREA ARTIFICIALĂ A SOLULUI AGRICOL – O SINTEZĂ</i> Phd. Stud. Eng. Ungureanu N. ¹⁾ , Prof. Ph.D. Eng. Voicu Gh. ¹⁾ , Prof. Ph.D. En. Biriş S.Şt. ¹⁾ , PhD. Eng. Matache M. ²⁾ , Ph.D. Stud. Eng. Ionescu M. ¹⁾ ¹⁾ University POLITEHNICA of Bucharest / Romania; ²⁾ INMA Bucharest / Romania E-mail: nicoletaung@yahoo.com	9 ⁵⁵ +10 ¹⁵
EXPERIMENTAL RESEARCHES REGARDING SEEDS SEGREGATION USING PNEUMOVIBRATING MACHINES / <i>CERCETĂRI EXPERIMENTALE PRIVIND SEPARAREA DUPĂ DENSITATE A SEMINTELOR CU MAȘINILE PNEUMO-VIBRATOARE</i> Ph.D. Eng. Buciuman F. ¹⁾ , Prof. Ph.D. Eng. Căsândriu T. ²⁾ ¹⁾ Technology College "Axiopolis" Cernavodă / Romania; ²⁾ University POLITEHNICA of Bucharest / Romania E-mail: florina_buciuman@yahoo.com	10 ¹⁵ +10 ³⁵	ASPECTS REGARDING THE CURRENT SYSTEMS FOR COMPOSTING ORGANIC WASTE / <i>ASPECTE PRIVIND SISTEMELE ACTUALE DE COMPOSTARE A DEȘEURILOR ORGANICE</i> Ph.D. Stud. Eng. Zaica A., Ph.D. Eng. Ciupercă R., Ph.D. Eng. Nedelcu A., Ph.D. Eng. Popa L., Ph.D. Stud. Eng. Ștefan V., Ph.D. Stud. Eng. Lazăr G., Ph.D. Stud. Eng. Zaica Al. INMA Bucharest / Romania E-mail: acanpeanu@yahoo.com	10 ¹⁵ +10 ³⁵
NUMERICAL SIMULATION OF THE MOVEMENT OF SMOOTH PARTICLES AT THE ELECTROMAGNETIC SEPARATORS WITH DRUM / <i>SIMULAREĂ NUMERICĂ A MIȘCĂRII DE PARTICULE FINE LA SEPARATOARELE ELECTROMAGNETICE CU TAMBUR</i> Prof. Ph.D. Eng. Căsândriu T. ¹⁾ , Ph.D. Stud. Eng. Ciobanu V. ²⁾ , Ph.D. Eng. Vișan Al. ²⁾ ¹⁾ University POLITEHNICA of Bucharest / Romania; ²⁾ INMA Bucharest / Romania E-mail: dns.gabriela@yahoo.com	10 ³⁵ +10 ⁵⁵	ASPECTS REGARDING THE CULTURE TECHNOLOGY AND MEASURES FOR CULTURE DISEASES AT CUCUMBER (CUCUMIS SATIVUS) GREENHOUSES / <i>ASPECTE PRIVIND TEHNOLOGIA DE CULTURĂ ȘI MĂSURI DE COMBATERE A BOLILOR LA CULTURILE DE CASTRAVEȚI (CUCUMIS SATIVUS) DIN SERE</i> Eng. Grigore I. ¹⁾ , Ph.D. Eng. Marin E. ¹⁾ , Ph.D. Eng. Sorică C. ¹⁾ , Ph.D. Eng. Mateescu M. ¹⁾ , Ph.D. Eng. Popescu C. ²⁾ , Ph.D. Eng. Caba Ioan ³⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ SC HOFIGAL SA / Romania; ³⁾ MUNAX SRL Timișoara / Romania E-mail: ionica_grigore2001@yahoo.com	10 ³⁵ +10 ⁵⁵
THE ANALYZE OF THE CHEMICAL COMPOSITION OF THE JUGLANS REGIA FRUIT WITH THE SELECTIONS FROM THE NORTH AREA OF OL TENIA / <i>ANALIZA COMPOZIȚIEI BICHIMICE A FRUCTELOR DE JUGLANS REGIA LA SELECȚIILE DIN ZONA DE NORD A OL TENIEI</i> Prof. Flondor I.S. - College „Constantin Brâncoveanu” Horezu / Romania E-mail: flondoriuliana@yahoo.com	10 ⁵⁵ +11 ¹⁰ Coffee break	CONSIDERATIONS REGARDING THE USE OF SCREW CONVEYOR WITH BRUSHES IN THE SEED TREATMENT / <i>CONSIDERATII PRIVIND UTILIZAREA TRANSPORTORULUI ELICOIDAL CU PERII ÎN PROCESUL DE TRATARE A SEMINTELOR</i> PhD. Stud. Eng. Zaica Al., Ph.D. Eng. Păun A., Ph.D. Stud. Eng. Ivancu B., Ph.D. Eng. Visan A INMA Bucharest / Romania E-mail: zaica_alexandru@yahoo.com	10 ⁵⁵ +11 ¹⁰ Coffee break
STUDY OF FRACTALS STRUCTURES ON APPLE SLICES DURING DRYING SURFACE PhD. Eng. Ekielski A., PhD. Eng. Żelaziński T. Warsaw University of Life Sciences, Warsaw / Poland E-mail: adam_ekielski@sggw.pl	11 ¹⁰ +11 ³⁰	CURRENT STAGE OF DEVELOPMENT OF NUTRITIVE CUBES SEEDLING EQUIPMENTS / <i>STADIUL ACTUAL DE DEZVOLTARE A ECHIPAMENTELOR DE SEMANAT ÎN CUIBURI NUTRITIVE</i> Eng. Milea D., Ph.D. Eng. Vișan A.L., Eng. Bogdanof C.G. INMA Bucharest / Romania E-mail: milea_dumitru57@yahoo.com	11 ¹⁰ +11 ³⁰
THE EFFECT OF THE OVEN AND MICROWAVE HEATING ON TOTAL PHENOL AND ANTIOXIDANT ACTIVITY VALUES OF DIFFERENT APPLE VARIETIES / <i>FARKLI ELMA ÇEŞİTLERİNİN TOPLAM FENOL VE ANTIOKSİDAN AKTİVİTESİ ÜZERİNE FIRIN VE MİKRODALGA ISITMANIN ETKİSİ</i> As. Ph.D. Stud. Eng. Uslu N. ¹⁾ , As. Ph.D. Stud. Eng. Bozkurt D. ¹⁾ , Assoc. Prof. Ph.D. Eng. Al Juhaimi F. ²⁾ , Prof. Ph.D. Eng. Özcan M.M. ¹⁾ , Assist. Prof. Ph.D. Stud. Eng. Yıldız M.U. ³⁾ ¹⁾ Selcuk University / Turkey; ²⁾ King Saud University, Riyadh-Saudi Arabia; ³⁾ Agriculture Engineering / Turkey E-mail: mozcana@selcuk.edu.tr	11 ³⁰ +11 ⁵⁰	CURRENT STAGE OF THEORETICAL AND EXPERIMENTAL RESEARCH IN THE WORLD ON AIR FLOW SEPARATION / <i>STADIUL ACTUAL AL CERCETĂRIILOR TEORETICE SI EXPERIMENTALE PE PLAN MONDIAL PRIVIND SEPARAREA ÎN CURENȚI DE AER</i> PhD. Stud. Eng. Birsan (Mitu) M. ¹⁾ , Prof. Ph.D. Eng. Căsândriu T. ²⁾ , Ph.D. Stud. Eng. Matache M. ¹⁾ , PhD. Stud. Eng. Ciobanu V. ¹⁾ , Ph.D. Stud. Eng. Rosu (Nitu) M. ¹⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ University POLITEHNICA Bucharest / Romania E-mail: maryymmsa@yahoo.com	11 ³⁰ +11 ⁵⁰
EXPERIMENTAL RESEARCHES UPON THE DOSING ACCURACY OF TECHNICAL DOSAGE EQUIPMENT DESTINED FOR AGRIFOOD PRODUCTS / <i>CERCETĂRI EXPERIMENTALE PRIVIND ACURATEȚEA DOZĂRII PENTRU ECHIPAMENTUL TEHNIC DE DOZARE DESTINAT PRODUSELOR AGROALIMENTARE</i> Ph.D. Eng. Brăcăcescu C., Ph.D. Eng. Păun A., Eng. Milea D., Ph.D. Stud. Eng. Matache M., Eng. Bunduchi G. INMA Bucharest / Romania E-mail: carmenbraca@yahoo.com	11 ⁵⁰ +12 ¹⁰	DISTRIBUTION EQUIPMENT USED ON ADMINISTERED FOR CHEMICAL FERTILIZERS GRANULAR EQUIPMENT / <i>APARATE DE DISTRIBUTIE UTILIZATE PE ECHIPAMENTELE DE ADMINISTRAT ÎNGRĂȘAMINTELE CHIMICE GRANULATE</i> Ph.D. Stud. Petcu A. ¹⁾ , Ph.D. Popa L. ¹⁾ , As. Ph.D. Stud. Toderășcu P. ²⁾ , Ph.D. Ciupercă R. ¹⁾ , Ph.D. Stud. Ștefan V. ¹⁾ , As. Ph.D. Avramescu A. ²⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ University POLITEHNICA of Bucharest / Romania E-mail: albert_petcu@yahoo.ro	12 ¹⁰ +12 ³⁰

INTERNATIONAL SYMPOSIUM *ISB-INMA TEH* 31 October 2014

SECTION 1 - POWER AND MACHINERY - POSTER		SECTION 2 - ECOLOGY & ENVIRONMENT - POSTER	
Chairman:	Prof. Ph.D. Eng. SĂRĂCIN Ion / Assoc. Prof. Ph.D. Eng. ATANASOV At. Assoc. Prof. Ph.D. Eng. VEZIROV Ch. / Ph.D. Eng. MARIN Eugen (Hall of Fac. I.S.B.)	Chairman:	Assoc. Prof. Ph.D. Eng. FERDEȘ Mariana / Ph.D. Eng. Ganea Ion Ph.D. Eng. CIUPERCĂ Radu / Lect. Ph.D. Eng. ISTRATE Irina (Hall of Fac. I.S.B.)
EXPERIMENTAL RESEARCH OF THE OBTAINED PRODUCT QUALITY TO THE MECHANICAL HARVESTING OF CHAMOMILE INFLORESCENCES / <i>CERCETAREA EXPERIMENTALA A CALITATII PRODUSULUI OBTINUT LA RECOLTAREA MECANIZATA A INFLORESCENTELOR DE MUSETEL</i> Eng. Muscalu A. ¹⁾ , Biol. Pruteanu A. ¹⁾ Prof. Ph.D. Eng. David L. ²⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ University POLITEHNICA of Bucharest / Romania <i>E-mail: amuscalis@yahoo.com</i>	12 ³⁰ +12 ⁴⁰	CONTRIBUTIONS REGARDING THE TECHNICAL SOLUTIONS FOR BIOLOGICAL FILTRATION WITHIN RECIRCULATING AQUACULTURE SYSTEMS / <i>CONTRIBUȚII PRIVIND SOLUȚII TEHNICE PENTRU FILTRAREA BIOLOGICĂ ÎN CADRUL SISTEMELOR ACVACOLE RECIRCULANTE</i> PhD. Stud. Eng. Andrei S.G., Ph.D. Eng. Pop A., PhD. Stud. Eng. David E., Eng. Ștefanov C. INMA Bucharest – Branch Timisoara <i>E-mail: andrei_sg85@yahoo.com</i>	12 ³⁰ +12 ⁴⁰
CONSIDERATII PRELIMINARE PRIVIND REALIZAREA UNUI SISTEM DE CALCUL OPTIMAL AL PARAMETRIILOR DE EXPLOATARE A AGREGATELOR AGRICOLE / <i>PRELIMINARY CONSIDERATIONS ON THE DEVELOPMENT OF A SYSTEM FOR CALCULATING OPTIMAL OPERATING PARAMETERS FOR AGRICULTURAL AGGREGATES</i> Eng. Ludig M., Eng. Bolinitineanu G., Ph.D. Stud. Eng. Cujbescu D., Ph.D. Stud. Eng. Persu C. INMA Bucharest / Romania <i>E-mail: lud_mihai@yahoo.com</i>	12 ⁴⁰ +12 ⁵⁰	UTILIZATION OF LABVIEW PROGRAM FOR ACQUIRING AND PROCESSING THE VIBRATIONS OF AN OSCILLATING CONE-SHAPED SIEVE WITH VERTICAL AXLE USED FOR CLEANING THE AGRICULTURAL CROPS SEEDS / <i>UTILIZAREA PROGRAMULUI LABVIEW PENTRU ACHIZIȚIA ȘI PRELUCRAREA VIBRAȚIILOR UNEI SITE CONICE OSCILANTE CŪ AX VERTICAL</i> Lect. Ph.D. Eng. Stoica D. ¹⁾ , Prof. Ph.D. Eng. Voicu Gh. ¹⁾ , Lect. Ph.D. Eng. Covaliu C. ¹⁾ , Ph.D. Eng. Vlăduț V. ²⁾ ¹⁾ University POLITEHNICA of Bucharest; ²⁾ INMA Bucharest / Romania <i>E-mail: dorelstc@yahoo.com</i>	12 ⁴⁰ +12 ⁵⁰
APPROACH, LIMITS AND CRITERIA FOR FARM MACHINERY REPLACEMENT IN AGRICULTURE / <i>ПОДХОД, ОГРАНИЧЕНИЯ И КРИТЕРИИ ПРИ ЗАМЯНА НА СЕЛСКОСТОПАНСКА ТЕХНИКА ЗА ЗЕМЕДЕЛИЕТО</i> Assoc. Prof. Ph.D. Eng. Vezirov Ch.Z. ¹⁾ , Assoc. Prof. Ph.D. Eng. Atanasov At.Z. ¹⁾ , Ph.D. Stud. Eng. Hristov H.Y. ¹⁾ , Ph.D. Eng. Vlăduț V. ²⁾ ¹⁾ Ruse University, Agro-industrial Faculty / Bulgaria; ²⁾ INMA Bucharest / Romania <i>E-mail: vezirov@uni-ruse.bg</i>	12 ⁵⁰ +13 ⁰⁰	THE USE OF DIMENSIONAL ANALYSIS IN STUDYING THE SPRAYING PROCESS THROUGH NOZZLES AT PHYTOSANITARY TREATMENT MACHINES / <i>UTILIZAREA ANALIZEI DIMENSIONALE ÎN STUDIUL PROCESULUI DE PULVERIZARE PRIN DUZE LA MAȘINILE DE APLICAT TRATAMENTE FITOSANITARE</i> Ph.D. Stud. Eng. Dumitrașcu A. ¹⁾ , Ph.D. Eng. Manea D. ¹⁾ , Prof. Em. Ph.D. Eng. Cășandroi T. ²⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ University POLITEHNICA of Bucharest / Romania <i>E-mail: a.dumi@yahoo.com</i>	12 ⁵⁰ +13 ⁰⁰
MOIRÉ SUPPORTED STRAIN DISTRIBUTION DETERMINATION ON MACHINE ELEMENTS OF DISCONTINUOUS GEOMETRY / <i>LEVANTAMENTO TOPOGRÁFICO DE PEÇAS MECÂNICAS DE GEOMETRIA DESCONTÍNUA ATRAVÉS DA TÉCNICA DE MOIRÉ POR PHASE-SHIFTING</i> Prof. Ph.D. Eng. Gazzola J. ¹⁾ , Ph.D. Stud. Eng. Cardoso K.C. ²⁾ , Ph.D. Stud. Eng. Silva M. V.G. ²⁾ , Prof. Ph.D. Eng. Inácio M. D. Fabbro ²⁾ ¹⁾ Department of Agricultural Engineering, UFS, Aracaju / Brazil ²⁾ Faculty of Agricultural Engineering, UNICAMP, Campinas / Brazil <i>E-mail: inacio@feagri.unicamp.br</i>	13 ⁰⁰ +13 ¹⁰	DEVELOPMENT OF A NEW METHOD FOR VOLUME MEASUREMENT BASED ON MOIRÉ TECHNIQUES / <i>DESENVOLVIMENTO DE UM NOVO MÉTODO PARA MEDIDA DE VOLUME BASEADO EM TÉCNICAS DE MOIRÉ</i> Ph.D. Stud. Eng. Marcos V. G. Silva ⁽¹⁾ , Prof. Ph.D. Eng. Adilson Enes ⁽²⁾ , Prof. Ph.D. Eng. Inácio M. D. Fabbro ⁽¹⁾ , Researcher Celina de Almeida ⁽¹⁾ Faculty of Agricultural Engineering, UNICAMP, Campinas, SP, Brazil ⁽²⁾ Department of Agricultural Engineering, UFS, Aracaju, SE, Brazil <i>E-mail: inacio@feagri.unicamp.br</i>	13 ⁰⁰ +13 ¹⁰
THEORETICAL CONSIDERATIONS REGARDING IMPROVING ENERGY CONSUMPTION OF A RECIRCULATING AQUACULTURE SYSTEM OF SUPERINTENSIVE FISH GROWING / <i>CONSIDERAȚII TEORETICE PRIVIND ÎMBUNĂȚĂȚIREA CONSUMULUI ENERGETIC AL UNUI SISTEM ACVACOL RECIRCULANT DE CREȘTERE SUPERINTENSIVĂ A PEȘTELOR</i> PhD. Stud. Eng. David E.A., Ph.D. Eng. Pop A., Ph.D. Stud. Eng. Andrei S. INMA Bucharest – Branch Timisoara / Romania <i>E-mail: eveline_anda@yahoo.com</i>	13 ¹⁰ +13 ²⁰	BASIC PARAMETERS INFLUENCING THE FERMENTATION OF BIOMASS IN ORDER TO OBTAIN BIOGAS – A REVIEW / <i>PARAMETRI DE BAZĂ CARE INFLUENȚEAZĂ PROCESUL DE FERMENTARE A BIOMASEI ÎN VEDEREA OBTINERII BIOGAZULUI - REVIEW</i> Lect. Ph.D. Eng. Dincă M., Assoc. Prof. Ph.D. Ferdeș M., Prof. Ph.D. Eng. Voicu Gh., Prof. Ph.D. Eng. Paraschiv G., Ph.D. Eng. Moiceanu G., Lect. Ph.D. Eng. Mușuroi G. University POLITEHNICA of Bucharest, Faculty of Biotechnical Systems Engineering / Romania <i>E-mail: mirela_dilea@yahoo.com</i>	13 ¹⁰ +13 ²⁰
INFLUENCE OF TILLAGE TOOLS CUTTING EDGE WEAR OVER TECHNICAL AND ECONOMICAL MARKERS / <i>INFLUENȚA UZĂRII MUCHIEI ȚĂIETOARE ASUPRA INDICATORILOR TEHNICO-ECONOMICI ÎN PROCESUL DE PRELUCRARE A SOLULUI</i> Lect. Ph.D. Eng. Fecete Tutunaru L.V. ¹⁾ , Ph.D. Stud. Eng. Nagy E.M. ²⁾ , Ph.D. Stud. Eng. Coța C. ²⁾ ¹⁾ Technical University of Cluj-Napoca, ²⁾ INMA Bucharest / Romania <i>E-mail: lucian.fecete@auto.utcluj.ro</i>	13 ²⁰ +13 ³⁰	DEVELOPMENT TRENDS OF ADVANCED TECHNOLOGY FOR SEEDLING PRODUCTION FORM SMALL AND SMALLER SEEDS / <i>TENDINTE DEZVOLTARE A TEHNOLOGIILOR AVANSATE PENTRU PRODUCEREA MATERIALULUI SĂDITOR DIN SEMINTE MIC SI FOARTE MICI</i> Eng. Bogdanof C.G., Eng. Milea D., Ph.D. Eng. Vișan A.L. INMA Bucharest / Romania <i>E-mail: gbogdanof@gmail.com</i>	13 ²⁰ +13 ³⁰
ARTIFICIAL BREATHING APPARATUS CATTLE / <i>APARAT PENTRU RESPIRAȚIE ARTIFICIALĂ LA BOVINE</i> PhD. Eng. Ganea-Christu I. ¹⁾ , Ph.D. Stud. Eng. Ion Al. ¹⁾ , Dr. Dragolici V. ²⁾ INMA Bucharest / Romania; ²⁾ Veterinary Hospital Crevedia / Romania <i>E-mail: ganea007@yahoo.com</i>	13 ³⁰ +13 ⁴⁰	ECONOMIC RISK ANALYSIS IN THE AGRICULTURAL ACTIVITY / <i>ANALIZA ECONOMICĂ A RISCULUI ÎN ACTIVITATEA AGRICOLĂ</i> Assoc. Prof. Ph.D. Ec. David O., Lect. Ph.D. Eng. Voicu P. University POLITEHNICA of Bucharest, Faculty of Entrepreneurship, Business Engineering and Management / Romania <i>E-mail: davidgioana@yahoo.com</i>	13 ³⁰ +13 ⁴⁰

SECTION 3 - FOOD INDUSTRY - POSTER		SECTION 4 - YOUNG PEOPLE - POSTER	
Chairman:	PhD. Eng. PĂUN Anișoara / Ph.D. Eng. GĂGEANU Paul PhD. Eng. ŽELAZINSKI Tomasz (Hall of Fac. I.S.B.)	Chairman:	Prof. Ph.D. Eng. DAVID Ladislau / Lect. Ph.D. Eng. DUȚU Mihaela Prof. Ph.D. Eng. BĂDESCU Mircea (Hall of Fac. I.S.B.)
FRUIT VOLUMETRIC DETERMINATION BASED ON MOIRÉ TECHNIQUES / RECONSTITUIÇÃO TOPOGRAFICA E VOLUMÉTRICA DE FRUTOS UTILIZANDO TÉCNICAS ÓPTICAS DE MOIRÉ Ph.D. Stud. Eng. Marcos V. G. Silva ⁽¹⁾ , Researcher Celina de Almeida, Ph.D. Researcher. Antonio Carlos Loureiro Lino ⁽²⁾ , Prof. Ph.D. Eng. Inácio M. D. Fabbro ⁽¹⁾ ⁽¹⁾ Faculty of Agricultural Engineering, UNICAMP, Campinas, SP, Brazil ⁽²⁾ IAC, Jundiaí, SP, Brazil E-mail: inacio@feagri.unicamp.br	12 ³⁰ +12 ⁴⁰	MECHANICAL PROPERTIES OF ENERGETIC PLANT STEM - REVIEW / PROPRIETĂȚILE MECANICE ALE TULPINILOR PLANTELOR ENERGETICE - REVIEW PhD. Eng. Moiceanu G. ⁽¹⁾ , Prof. Ph.D. Eng. Voicu Gh. ⁽¹⁾ , Prof. Ph.D. Eng. Paraschiv G. ⁽¹⁾ , Lect. Ph.D. Eng. Dinca M. ⁽¹⁾ , Ph.D. Stud. Eng. Chitoiu M. ⁽¹⁾ , Ph.D. Eng. Vlăduț V. ⁽²⁾ ⁽¹⁾ University POLITEHNICA of Bucharest / Romania; ⁽²⁾ INMA Bucharest / Romania E-mail: moiceanugeorgiana@gmail.com	12 ³⁰ +12 ⁴⁰
THE VISION SYSTEM USAGE AS DATA SOURCE FOR STATISTICAL PROCESS CONTROL IN THE FOOD EXTRUSION / WYKORZYSTANIE SYSTEMU WIZYJNEGO DO STATYSTYCZNEJ KONTROLI PRZEBIEGU PROCESU EKSTRUZJI PRODUKTÓW ŻYWNOŚCIOWYCH PhD. Eng. Żelaziński T., Ph.D. Eng. Ekielski A., Ph.D. Stud. Eng. Florczak I. Warsaw University of Life Sciences, Faculty of Production Engineering, Department of Production Management and Engineering, Warsaw / Poland E-mail: tomasz_zelazinski@sggw.pl	12 ⁴⁰ +12 ⁵⁰	MODERN STATISTICAL METHODS IN THE PRODUCT QUALITY MANAGEMENT / METODE STATISTICE MODERNE ÎN MANAGEMENTUL CALITĂȚII PRODUSELOR Stud. Manole B. ⁽¹⁾ , Prof. Ph.D. Eng. Paraschiv G. ⁽²⁾ ⁽¹⁾ University of Essex, BA European Studies and Modern Languages, U.K. ⁽²⁾ University POLITEHNICA of Bucharest / Romania E-mail: constantinmanole@ymail.com	12 ⁴⁰ +12 ⁵⁰
FREE SURFACE EQUATION OF BEER WORT IN A ROTAPPOOL / ECUAȚIA SUPRAFETEI LIBERE A MUSTULUI DE BERE ÎN ROTAPPOOL Prof. Ph.D. Eng. Biriș S.St. ⁽¹⁾ , Ph.D. Eng. Vlăduț V. ⁽²⁾ , As. Ph.D. Stud. Eng. Ungureanu N. ⁽¹⁾ , Lect. Ph.D. Eng. Begea M. ⁽¹⁾ , As. Ph.D. Stud. Eng. Ionescu M. ⁽¹⁾ ⁽¹⁾ University POLITEHNICA of Bucharest / Romania; ⁽²⁾ INMA Bucharest / Romania E-mail: biris.sorinstefan@gmail.com	12 ⁵⁰ +13 ⁰⁰	IMPORTANCE OF PHYSICAL AND MECHANICAL PROPERTIES OF WHEAT SEEDS DURING SHREDDING MILLS CYLINDER - REVIEW / IMPORTANȚA PROPRIETĂȚILOR FIZICE ȘI MECANICE ALE SEMINTELOR DE GRÂU ÎN PROCESUL DE MĂRUNȚIRE ÎN MORILE CU CILINDRI - review Lect. Ph.D. Eng. Stefan E-M., Prof. Ph.D. Eng. Voicu Gh., Lect. Ph.D. Eng. Constantin G.A.I., Prof. Ph.D. Eng. Paraschiv G., Assoc. Prof. Ph.D. Eng. Ferdeș M. University POLITEHNICA of Bucharest / Romania E-mail: stefanelenamadalina@gmail.com	12 ⁵⁰ +13 ⁰⁰
SORT ACCURACY ASSESSMENT OF PRODUCTS GRIST MILL IN INDUSTRIAL UNITS / APRECIEREA PRECIZIEI DE SORTARE A PRODUSELOR DE MACINIS IN UNITATILE DE MORARIT INDUSTRIALE Lect. Ph.D. Eng. Constantin G.A.I., Prof. Ph.D. Eng. Voicu Gh., Lect. Ph.D. Eng. Stefan E-M., Lect. Ph.D. Eng. Stoica D., Assoc. Prof. Ph.D. Eng. Ionita S. University POLITEHNICA of Bucharest / Romania E-mail: gabriel_alex99@yahoo.com	13 ⁰⁰ +13 ¹⁰	A GEOMETRIC MODELING OF SCREWDRIVER PRODUCT DESIGN / MODELAREA GEOMETRICĂ A DESIGNULUI DE PRODUS – SURUBELNIȚĂ As. Ph.D. Eng. Avramescu A.M. ⁽¹⁾ , Assoc. Prof. Ph.D. Eng. Ioniță S. ⁽¹⁾ , As. Ph.D. Stud. Eng. Jugănaru E.-C. ⁽²⁾ , As. Ph.D. Stud. Eng. Toderasc P. ⁽¹⁾ , Ph.D. Stud. Eng. Petcu A.S. ⁽³⁾ , As. Ph.D. Stud. Rugescu A.M. ⁽³⁾ ⁽¹⁾ University POLITEHNICA of Bucharest, Department of Engineering Graphics and Industrial Design / Romania ⁽²⁾ University POLITEHNICA of Bucharest, Department of Machine Manufacturing Technology / Romania ⁽³⁾ INMA Bucharest / Romania E-mail: avr_ana@yahoo.com	13 ⁰⁰ +13 ¹⁰
EXPLAINING OF THE PHENOMENON OF SEPARATION INTO FRACTIONS OF A MIXTURE OF PARTICULATE MATTER APPLYING THE PRINCIPLE OF MINIMUM ENERGY / EXPLICAREA FENOMENULUI DE SEPARARE ÎN FRAȚII A UNUI AMESTEC DE PARTICULE MATERIALE ÎN BAZA APLICĂRII PRINCIPULUI ENERGIIEI MINIME Prof. Ph.D. Eng. Paraschiv G., Prof. Ph.D. Eng. Manole C. University POLITEHNICA of Bucharest, Faculty of Biotechnical Systems Engineering / Romania E-mail: constantinmanole@ymail.com	13 ¹⁰ +13 ²⁰	CURRENT STAGE OF EXPERIMENTAL RESEARCH ON HUSKING SUNFLOWER SEEDS / STADIUL ACTUAL AL CERCETĂRILOR EXPERIMENTALE PRIVIND DECORTICAREA SEMINTELOR DE FLOAREA SOARELUI As. Ph.D. Stud. Eng. Toderasc P. ⁽¹⁾ , Ph.D. Stud. Eng. Petcu A.S. ⁽²⁾ , Assoc. Prof. Ph.D. Eng. Ioniță S. ⁽¹⁾ , As. Ph.D. Eng. Avramescu A-M ⁽¹⁾ , Prof. Ph.D. Eng. Biriș S.S. ⁽¹⁾ , Ph.D. Stud. Eng. Ciobanu V. ⁽²⁾ ⁽¹⁾ University POLITEHNICA of Bucharest / Romania ⁽²⁾ INMA Bucharest / Romania E-mail: petruta.toderasc@yahoo.com	13 ¹⁰ +13 ²⁰
CURRENT STAGE OF EXPERIMENTAL RESEARCH ON EXTRACTION OF BIOLOGIC ACTIVE SUBSTANCES FROM MEDICINAL AND AROMATIC PLANTS / STADIUL ACTUAL AL CERCETĂRILOR EXPERIMENTALE PRIVIND EXTRACTIA SUBSTANTELOR BIOLOGICE ACTIVE DIN PLANTE MEDICINALE SI AROMATICE PhD. Stud. Eng. Pruteanu A. ⁽¹⁾ , Ph.D. Stud. Eng. Muscalu A. ⁽¹⁾ , Assoc. Prof. Ph.D. Ferdes M. ⁽²⁾ , Ph.D. Stud. Eng. Voicea I. ⁽¹⁾ , Lect. Ph.D. Eng. Popescu C. ⁽³⁾ ⁽¹⁾ INMA Bucharest / Romania; ⁽²⁾ University POLITEHNICA of Bucharest / Romania; ⁽³⁾ SC HOFIGAL SA / Romania E-mail: pruteanu_augustina@yahoo.com	13 ²⁰ +13 ³⁰	EVOLUTION OF ORGANIC AGRICULTURE IN ROMANIA / EVOLUȚIA AGRICULTURII ECOLOGICE ÎN ROMÂNIA Eng. Găgeanu I., Eng. Găgeanu G., Ph.D. Eng. Alexandru I., Ph.D. Eng. Brăcăcescu C. INMA Bucharest / Romania E-mail: iulia.gageanu@gmail.com	13 ²⁰ +13 ³⁰
ECONOMIC AND LOGISTICAL ANALYSIS OF FOIL COVERED FIELD CUCUMBER PRODUCTION TECHNOLOGY / FOLIAALAGUTAS SZABADFÖLDI ZÖLDSÉGTERMELÉS- TECHNOLÓGIA ÖKONÓMIAI ÉS LOGISZTIKAI ELEMZÉSE Assoc. Prof. Ph.D. Eng. László Magó Szent István University, Faculty of Mechanical Engineering, Institute of Engineering Management, Department of Logistics and Materials Handling, Hungary - 2103 Gödöllő, Péter K. str. 1, E-mail: Mago.Laszlo@gek.szie.hu	13 ³⁰ +13 ⁴⁰	NUMERICAL STUDY ON CINETO-STATIC ANALYSIS ON THE DRIVING MECHANISM OF THE ECCENTRIC SEPARATOR COMPONENT IN TECHNICAL EQUIPMENT FOR HARVESTING MISCANTHUS RHIZOMES / STUDIUL NUMERIC PRIVIND ANALIZA CINETO-STATICĂ A MECANISMULUI DE ACTIONARE A SEPARATORULUI CU EXCENTRIC AFLAT ÎN COMPONENTA ECHIPAMENTULUI TEHNIC DE RECOLTARE A RIZOMILOR DE MISCANTHUS Ph.D. Stud. Eng. Sorică E. ⁽¹⁾ , Prof. Ph.D. Eng. David L. ⁽²⁾ , Prof. Ph.D. Eng. Pirnă I. ⁽¹⁾ Ph.D. Eng. Sorică C. ⁽¹⁾ , Eng. Grigore I. ⁽¹⁾ ⁽¹⁾ INMA Bucharest / Romania; ⁽²⁾ University POLITEHNICA of Bucharest / Romania E-mail: postelnicu.elena@yahoo.com	13 ³⁰ +13 ⁴⁰
EFFECT OF FREEZING STORAGE AND TREATMENTS WITH ANTIOXIDANTS IN QUALITATIVE CHARACTERISTICS OF OKRA FRUITS (ABELMOSCHUS ESCULUNTUS (L.) MOENTH CV. KHNESRI) / ABELMOSCHUS تأثير التخزين بالتجميد والمعاملة بمضادات الاكسدة في الصفات النوعية لثمار (L.)MOENTH CV. KHNESRI Dhia Ahmed Taain, Abbas Mahdi Jasim, Jameel Hassan Hiji Al-Hij Department of Horticulture and Landscape, College of Agriculture, University of Basrah, Iraq E-mail: golden_fruit@yahoo.com	13 ⁴⁰ +13 ⁵⁰	BIOMASS GRINDING/MILLING RESISTANCE AND ENERGY CONSUMPTION – REVIEW / REZISTENTA BIOMASEI LA TOCARE/MARUNTIRE SI CONSUMUL SPECIFIC DE ENERGIE - REVIEW PhD. Stud. Eng. Chitoiu M. ⁽¹⁾ , Ph.D. Eng. Moiceanu G. ⁽¹⁾ , Prof. Ph.D. Eng. Voicu Gh. ⁽¹⁾ , Prof. Ph.D. Eng. Paraschiv G. ⁽¹⁾ , Lect. Ph.D. Eng. Dincă M. ⁽¹⁾ , Ph.D. Stud. Eng. Voicea I. ⁽²⁾ ⁽¹⁾ University POLITEHNICA of Bucharest / Romania; ⁽²⁾ INMA Bucharest / Romania E-mail: chitoiu_mihai@yahoo.com	13 ⁴⁰ +13 ⁵⁰

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SECTION 1 - POWER AND MACHINERY - POSTER		SECTION 2 - ECOLOGY & ENVIRONMENT - POSTER	
Chairman:	Assoc. Prof. Ph.D. Eng. BORUZ Sorin / Ph.D. Eng. DUMITRESCU Cătălin Assoc. Prof. Ph.D. Eng. BUNGESCU Sorin (Hall of Fac. I.S.B.)	Chairman:	Lect. Ph.D. Eng. SAFTA Victor / Ph D Eng. MANEA Dragoș Assoc. Prof. Ph.D. Ec. David Oana (Hall of Fac. I.S.B.)
ANALYSIS OF WORK PROCESS OF SEEDING FURROWS EMBEDDING BY A CONICAL ROLLER / АНАЛІЗ РОБОЧОГО ПРОЦЕСУ ЗАГОРТАННЯ ПОСІВНИХ БОРОЗЕН КОНИЧНИМ КІТКОМ Shvedik M. Lutsk National Technical University / Ukraine E-mail: lab-amb@ukr.net	13 ⁵⁰ +14 ⁰⁰	EXPERIMENTAL ARGUMENTATION OF PRESS PARAMETERS FOR SQUEEZING JUICE FROM PLANT STEMS / ARGUMENTAREA EXPERIMENTALĂ A PARAMETRILOR PRESEI PENTRU STOARCEREA SUCULUI DIN TULPINILE PLANTELOR Assoc. Member Cor. AȘM, Ph.D.Eng. Hăbășescu I., Ph.D.Eng. Cerempei V., Eng. Balaban N. Institute of Agricultural Machinery „Mecagro”, Chisinau / Moldova E-mail: institut@mecagro.md, www.mecagro.md	13 ⁵⁰ +14 ⁰⁰
ORGANIC APIARY DESIGN IN BULGARIA / ПРОЕКТИРАНЕ НА БИОЛОГИЧНИ ПЧЕЛИНИ В БЪЛГАРИЯ Assoc. Prof. Ph.D. Eng. Aтанасов At ¹⁾ , Ph.D. Hristakov I. ¹⁾ , Assoc. Prof. Ph.D. Lubenoy L. ¹⁾ , Ph.D. Eng. Vlàduț V. ²⁾ , Assoc. Prof. Ph.D. Dochev V. ³⁾ , Prof. Ph.D. Eng. Biris St.S. ⁴⁾ ¹⁾ Ruse University, Agro-industrial Faculty / Bulgaria; ²⁾ INMA Bucharest / Romania; ³⁾ IASS Obrzcov Chiflik Ruse / Bulgaria; ⁴⁾ University POLITEHNICA of Bucharest / Romania E-mail: aatanasov@uni-ruse.bg	14 ⁰⁰ +14 ¹⁰	THEORETICAL ARGUMENTATION ON THE CHOICE OF VALUES FOR THE PARAMETERS OF THE PRESS DESIGNED TO SQUEEZE OUT THE JUICE FROM PLANTS STEMS / MOTIVAREA TEORETICĂ A ALEGERII VALORILOR PARAMETRILOR PRESEI PENTRU STOARCEREA SUCULUI DIN TULPINILE PLANTELOR PhD. Eng. Cerempei V. Institute of Agricultural Machinery „Mecagro”, Chisinau / Moldova E-mail: institut@mecagro.md, www.mecagro.md	14 ⁰⁰ +14 ¹⁰
DEFINITION OF BASIC PARAMETERS OF SMALL-SIZED FLEXIBLE HARROW / ВИЗНАЧЕННЯ ОСНОВНИХ ПАРАМЕТРІВ МАЛАГАБАРИТНОЇ ГНУЧКОЇ БОРОНИ PhD. Eng. Usenko M. Lutsk National Technical University / Ukraine E-mail: rector@lutsk-ntu.com.ua	14 ¹⁰ +14 ²⁰	SUSTAINABLE ENERGY IN RURAL AREAS / ENERGETICA DURABILĂ ÎN MEDIUL RURAL Ph.D. Eng. Nicolescu M.A. INMA Bucharest / Romania E-mail: m_a_nicolescu@yahoo.com	14 ¹⁰ +14 ²⁰
STUDY ON THE SHADE-TOLERANCE ABILITY OF GLECHOMA HEDERACEA / 欧活血丹的耐荫能力研究 Lect. M. S. Agr. Wang J.Q. ¹⁾ , Ph.D. Agr. Yang D.P. ²⁾ , Prof. Ph. D. Agr. Zhu N. ³⁾ , Prof. Ph. D. Yung Dmitry ⁴⁾ ¹⁾ College of Architecture and Urban Environment, Soochow University, Suzhou / China; ²⁾ Research Department, China Society for Urban Studies, Beijing / China; ³⁾ College of Landscape Architecture, Northeast Forestry University, Harbin / China; ⁴⁾ Seoul Konghoo Service Center for Agricultural Flower Planting, Seoul / Republic of Korea E-mail: szwj193@163.com	14 ²⁰ +14 ³⁰	BLADE TYPE CAVITATION PREDICTION ON THE TWICE DEFORMATION OF AGRICULTURAL AUTOMOBILE ENGINE COOLING WATER PUMPS BASED ON CFD / 基于CFD的农用汽车发动机冷却水泵二次变曲率叶型空化特性预测 Lect. Ph.D. Xue Dangqin ^{1, 2)} , Lect. Ph.D. Ma Shibang ³⁾ , Lect. Ph.D. Eng. Shi Huojie ⁴⁾ , Prof. Ph.D. Hou Shulin ¹⁾ ¹⁾ College of Engineering, China Agricultural University, Beijing / China; ²⁾ School of Mechanical & Automotive Engineering, Nanyang Institute of Technology, Henan / China; ³⁾ Nanyang Normal University, Henan / China; ⁴⁾ Department of Biological Systems Engineering, Washington State University, Pullman / U.S.A. Email: xdq5599@163.com	14 ²⁰ +14 ³⁰
MATHEMATICAL MODEL OF THE PNEUMATIC-SCREW CONVEYOR SCREW MECHANISM OPERATION / МАТЕМАТИЧНА МОДЕЛЬ ФУНКЦІОНУВАННЯ ШНЕКОВОГО МЕХАНІЗМУ ПНЕВМОШНЕКОВОГО ТРАНСПОРТЕРА Ph.D. R.B. Hevko ¹⁾ , Ass. Prof. Ph.D. Stud. V.O. Dzyura ²⁾ , R.M. Romanovsky ²⁾ ¹⁾ Ternopil National Economical University / Ukraine; ²⁾ Ternopil Ivan Pul'uj National Technical University / Ukraine E-mail: volodymyr-dzyura@rambler.ru	14 ³⁰ +14 ⁴⁰	ENERGY WILLOW CULTIVATION OPPORTUNITIES IN ROMANIA / OPORTUNITĂȚILE CULTIVĂRII SALSIEI ENERGETICE ÎN ROMÂNIA PhD. Eng. Găgeanu P. ¹⁾ , Eng. Milea D. ¹⁾ , Eng. Găgeanu I. ¹⁾ Eng. Mircea R. ¹⁾ , Eng. Vajda L. ²⁾ ¹⁾ INMA/ Bucharest / Romania; ²⁾ Green Energy Association, Sfântu Gheorghe / Romania E-mail: paulgageanu@yahoo.com	14 ³⁰ +14 ⁴⁰
INVESTIGATING A POWER TILLER HANDLE AND SEAT VIBRATION ON TRANSPORTATION MODE / بررسی ارتعاش دسته و صندلی تراکتور دو چرخ در حالت حمل و نقل Hossein Ahmadian ¹⁾ , Seyed Reza Hassan-Beygi ¹⁾ , Barat Ghobadian ²⁾ ¹⁾ Department of Agro-technology, College of Abouraihan, University of Tehran, Tehran, Iran ²⁾ Department of Mechanics of Agricultural machinery Engineering, Tarbiat Modares University, Tehran, Iran E-mail: ahmadian77@ut.ac.ir	14 ⁴⁰ +14 ⁵⁰	MAINTENANCE OF THE ENERGETIC POPLAR CROP BY USING PRECISION HERBICIDES IN STRIPS EQUIPMENT / ÎNȚREȚINEREA CULTURII DE PLOP ENERGETIC PRIN UTILIZAREA UNOR ECHIPAMENTE DE ERBICIDAT CU PRECIZIE ÎN BENZI PhD. Eng. Kolozsvari C., Ph.D. Eng. Manea D., Ph.D. Stud. Eng. David A., Eng. Gheorghe G. INMA Bucharest / Romania E-mail: tinakolozsvari@yahoo.com	14 ⁴⁰ +14 ⁵⁰
DESIGN OF AQUACULTURE SYSTEM BASED ON WIRELESS MONITORING AND ITS TESTING / 无线监控水产养殖系统设计与试验 Prof. Ph.D. Lijia Xu ¹⁾ , Prof. Zhiliang Kang ¹⁾ , Stud. Danni Bao ¹⁾ , Stud. Yu Feng ¹⁾ , Prof. Ph.D. K. Jorshin ²⁾ ¹⁾ College of Information and Engineering Technology, Sichuan Agriculture University, Ya'an / China; ²⁾ Dept. of Agricultural Engineering, New South Tesee Corporation of Technology, Auckland / New Zealand E-mail: lijiaxu13@163.com	15 ⁵⁰ +16 ⁰⁰	USING A FAST AND ACCURATE METHOD FOR THE DETERMINATION OF PH AND OF THE MAIN NUTRIENTS IN THE SOIL / UTILIZAREA UNEI METODE RAPIDE ȘI EXACTE PENTRU DETERMINAREA PH-ULUI ȘI A PRINCIPALILOR NUTRIENȚI AI SOLULUI Eng. Găgeanu G., Ph.D. Eng. Marin E., Eng. Găgeanu I., Ph.D. Stud. Eng. Toderăș P. INMA Bucharest / Romania E-mail: geta_gageanu@yahoo.com	15 ⁵⁰ +16 ⁰⁰
CHOPPING OF MEDICINAL AND AROMATIC PLANTS / TOCAREA PLANTELOR MEDICINALE SI AROMATICE Eng. Muscalu A. ¹⁾ , Biol. Pruteanu A. ¹⁾ Prof. Ph.D. Eng. David L. ²⁾ ¹⁾ INMA Bucharest / Romania; ²⁾ University POLITEHNICA of Bucharest / Romania E-mail: amuscalis@yahoo.com	16 ⁰⁰ +16 ¹⁰	GOOD PRACTICES FOR SOIL AND WATER CONSERVATION / BUNE PRACTICI PENTRU CONSERVAREA SOLULUI SI A APEI DIN SOL Ph.D. Eng. Neacșu F. NHR AGROPARTNERS S.R.L / Romania E-mail: florin.neacsu@vait.ro	16 ⁰⁰ +16 ¹⁰
PRODUCTION OF SPARE PARTS FOR AGRICULTURAL EQUIPMENT FROM ADVANCED IRON CASTING / توليد اذیاع كٹكی بئس نم ڈی عارزلدا تادعجلدا رای غ عطق جاتننا Dr. Hesham Farag ¹⁾ , Prof. Adel Nofal ²⁾ ¹⁾ Agricultural Engineering Research Institute (AENRI), Cairo / Egypt; ²⁾ Central Metallurgical R&D Institute (CMRDI), Cairo / Egypt E-mail: heshamfaragarc@hotmail.com	16 ¹⁰ +16 ²⁰	Lunch break	Lunch break
OPTIMIZATION OF THE ELECTRICITY CONSUMPTION IN INDUSTRIAL BUILDINGS / OPTIMIZAREA CONSUMULUI DE ENERGIE ELECTRICA AL UNEI HALE INDUSTRIALE Eng. Pop F., Eng. Marian M. INMA Bucharest / Romania E-mail: popflorino@yahoo.com	16 ²⁰ +16 ³⁰		

SECTION 3 - FOOD INDUSTRY - POSTER (Hall - Fac. I.S.B.)		SECTION 4 - YOUNG PEOPLE - POSTER (Hall - Fac. I.S.B.)	
Chairman: Ph.D. Eng. EKIELSKI Adam / Lect. Ph.D. Eng. CONSTANTIN Gabriel Ph.D. Eng. SORICĂ Cristian / Ph.D. Eng. BRĂCĂCESCU Camen		Chairman: Lect. Ph.D. Eng. DUȚU Iulian / Lect. Ph.D. Eng. DINCĂ Mirela Ph.D. Eng. POPA Lucreția / Eng. MATAȚE Mihalai	
SIMULATION OF SALINITY STRESS ON GROWTH OF WINTER WHEAT BY SOIL WATER ATMOSPHERE PLANT MODEL IN LOESS PLATEAU / 用SWAP模拟盐胁迫对黄土高原冬小麦生长的影响 Ph.D. Quan Quan ^{1,2} , Prof. Ph.D. Bing Shen ² , Prof. Ph.D. Runxun Jin ³ , Ph.D. Changxing Jin ⁴ ¹ State Key Laboratory of Hydrology-Water Resources and Hydraulic Engineering, Nanjing Hydraulic Research Institute, Nanjing/ China; ² Xi'an University of Technology, Xi'an / China; ³ Anglia Ruskin University, Cambridge / United Kingdom; ⁴ Environmental Consulting & Technology, Florida / U.S.A. E-mail: qq@xaut.edu.com	13 ⁵⁰ +14 ⁰⁰	NEED OF DYNAMIC HARMONIZATION OF CERTIFICATION BODIES TO THE PROVISIONS OF EU REGULATIONS IN THE FIELD OF MACHINERY / NECESITATEA ARMONIZĂRII DINAMICE A ORGANISMELOR DE CERTIFICARE LA PREVEDERILE REGLEMENTĂRIILOR UNIUNII EUROPENE ÎN DOMENIUL MAȘINILOR Eng. Epure M., Ph.D. Eng. Alexandru I., Ph.D. Eng. Brăcăcescu C., Eng. Găgeanu I. INMA Bucharest / Romania E-mail: secretariat@inma.ro	13 ⁵⁰ +14 ⁰⁰
OPTIMIZATION OF CONSTRUCTIVE AND FUNCTIONAL PARAMETERS OF HAMMER MILLS IN ORDER TO INCREASE PRODUCTIVITY AND REDUCE SPECIFIC ENERGY CONSUMPTION / OPTIMIZAREA PARAMETRIILOR CONSTRUCTIVE ȘI FUNCȚIONALE AI MORILOR CU CIOCANE ÎN VEDEREA CREȘTERII PRODUCTIVITĂȚII ȘI REDUCERII CONSUMULUI SPECIFIC DE ENERGIE Ph.D. Eng. Păun A., Ph.D. Eng. Ciupercă R., Ph.D. Stud. Eng. Ivancu B., Eng. Ioniță Gh., Ph.D. Stud. Eng. Zaica A. INMA Bucharest / Romania E-mail: ani_paun@yahoo.com	14 ⁰⁰ +14 ¹⁰	CEREAL SEEDS SEPARATION ON AN OSCILLATING ASPIRATOR-SEPARATOR WITH COMBINED METHOD: ON SIEVES / WITH AIRFLOW SEPARAREA SEMINTELOR DE CEREALE PE UN SEPARATOR ASPIRATOR OSCILANT PRIN METODA COMBINATĂ: PE SITE / CU AJUTORUL CURENȚILOR DE AER / Eng. Bunduchi G., Ph.D. Eng. Găgeanu P., Ph.D. Eng. Brăcăcescu C., Ph.D. Stud. Eng. Ivancu B., Ph.D. Stud. Eng. Zaica A. INMA Bucharest / Romania E-mail: anca_bunduchi@yahoo.com	14 ⁰⁰ +14 ¹⁰
RESEARCH INTO THE GRADING METHOD OF KIWI FRUIT BASED ON VOLUME ESTIMATION AND SURFACE DEFECT / 基于体积估计和表面缺陷的猕猴桃分级方法 Prof. Ph.D. Lijia Xu ¹ , Stud. Yu Feng ¹ , Stud. Zhangkun Fan ¹ , Ph.D. Dingchun Yun ² ¹ College of Mechanical and Electrical Engineering, Sichuan Agriculture University, Ya'an / China; ² University of Applied Sciences Upper Austria, Hagenberg / Austria E-mail: lijiaxu13@163.com	14 ¹⁰ +14 ²⁰	QUADRATIC REGRESSION - BASED ORTHOGONAL DESIGN AND NUMERICAL SIMULATION OF A NEW-TYPE AGRICULTURAL WELL PUMP / 一种新型农用井泵的二次回归正交设计与数值模拟 Ph.D. Stud. Wang Hongliang ¹ , Prof. Ph.D. Shi Weidong ¹ , Ph.D. Stud. Wang Chuan ² ¹ Research Center of Fluid Machinery Engineering and Technology, Zhenjiang / China; ² Nanyang Technological University, Singapore / Singapore E-mail: wnghongliang@163.com	14 ¹⁰ +14 ²⁰
CERTIFICATION OF ORGANIC PRODUCTS / CERTIFICAREA PRODUSELOR ECOLOGICE Ph.D. Eng. Alexandru I.D. INMA Bucharest / Romania E-mail: alexandru@inma.ro	14 ³⁰ +14 ⁴⁰ 14 ³⁰ +15 ³⁰ Lunch break	MANURE FERTILIZERS - AGROTECHNICAL RECOMANTATIONS / ÎNGRĂȘĂMINTE ORGANICE SOLIDE – RECOMANDARI AGROTEHNICE Ph.D. Stud. Eng. Ștefan V., Ph.D. Eng. Popa L., Ph.D. Eng. Ciupercă R., Ph.D. Stud. Eng. Petcu A.S., Ph.D. Stud. Eng. Zaica A., Ph.D. Stud. Eng. Lazar G. INMA Bucharest / Romania E-mail: valle_vali@yahoo.com	14 ³⁰ +14 ⁴⁰ 14 ³⁰ +15 ³⁰ Lunch break
CONSIDERATIONS FOR SUSTAINABLE SYSTEMS MODELING AND SOWING VEGETABLE CROPS / CONSIDERAȚII PRIVIND MAȘINILE DE MODELAT ȘI SEMĂNAT ÎN SISTEM DURABIL A CULTURILOR DE LEGUME Ph.D. Eng. Mateescu M., Prof. Ph.D. Eng. Pirnă I., Ph.D. Eng. Păun A., Ph.D. Eng. Marin E. INMA Bucharest / Romania Tel: 0756.880.044; E-mail: marinelamateescu@yahoo.com	15 ⁵⁰ +16 ⁴⁰	EXPERIMENTAL STRUCTURE FOR INVESTIGATION OF INFLUENCING FACTORS IN PLANT BIOTECHNOLOGY / STRUCTURĂ EXPERIMENTALĂ PENTRU INVESTIGAREA INFLUENȚEI UNOR FACTORI ÎN BIOTEHNOLOGIA VEGETALĂ Ph.D. Stud. Eng. Velcea N.M. ¹ , Ph.D. Eng. Ganea I. ² ¹ University of Agricultural Sciences and Veterinary Medicine-Bucharest / Romania; ² INMA Bucharest / Romania E-mail: marian.nicolae.velcea@gmail.com	15 ⁵⁰ +16 ⁴⁰
FEATURES WELDED JOINTINGS MADE FROM STEEL OL 52.4K THE INFLUENCE OF MELTED MATERIAL PROPERTIES / CARACTERISTICILE ÎMBINĂRIILOR SUDATE REALIZATE DIN OTELUL OL 52.4K INFLUENȚATE DE PROPRIETĂȚILE MATERIALULUI TOPIT Prof. Ph.D. Eng. Sărăcin I. ¹ , Lect. Ph.D. Eng. Pandia O. ² , Assoc. Prof. Ph.D. Eng. Bozga I. ² , Ph.D. Eng. Ganea I. ³ ¹ University of Craiova / Romania; ² University of Agricultural Sciences and Veterinary Medicine Bucharest, Romania; ³ INMA Bucharest / Romania E-mail: ion_saracin@yahoo.com	16 ⁰⁰ +16 ¹⁰	THE CONCEPT OF "ENVIRONMENT" INTO THE EVALUATION OF AN ECOLOGICAL MATERIAL / CONCEPTUL DE "MEDIU" ÎN EVALUAREA UNUI MATERIAL ECOLOGIC As. Ph.D. Eng. Avramescu A.M. ¹ , Assoc. Prof. Ph.D. Eng. Ioniță S. ¹ , Lect. Ph.D. Eng. Haraga G. ¹ , Assoc. Prof. Ph.D. Eng. Ioniță E. ¹ , As. Ph.D. Stud. Eng. Jugănaru E.-C. ² , As. Ph.D. Stud. Eng. Toderasc P. ¹ , Ph.D. Stud. Eng. Petcu A.S. ³ ¹ U.P.B., Department of Engineering Graphics and Industrial Design / Romania; ² U.P.B., Department of Machine Manufacturing Technology, Bucharest, Romania; ³ INMA Bucharest / Romania E-mail: avr_ana@yahoo.com	16 ⁰⁰ +16 ¹⁰
MODELING THE AGRICULTURAL MOBILE TRACTOR – MOUNTED MACHINE UNIT / MODELAREA AGREGATULUI AGRICOL MOBIL TRACTOR – MAȘINĂ TRACTATĂ Lect. Ph.D. Eng. Duțu M.F. ¹ , Ph.D. Eng. Duțu I.C. ¹ , Assoc. Prof. Ph.D. Begea M. ¹ , Prof. Ph.D. Eng. Voicu Gh. ¹ , Ph.D. Stud. Eng. David Al.D. ² ¹ University POLITEHNICA of Bucharest / Romania; ² INMA Bucharest / Romania E-mail: dutumihaelaflorantina@gmail.com	16 ¹⁰ +16 ²⁰	CONSIDERATIONS FOR THE MECHANICAL PLANTING OF ENERGETIC WILLOW / CONSIDERAȚII PRIVIND PLANTAREA MECANIZATĂ A SALSIEI ENERGETICE As. Ph.D. Stud. Eng. Toderasc P. ¹ , Ph.D. Stud. Eng. Petcu A.S. ² , Assoc. Prof. Ph.D. Eng. Ioniță S. ¹ , As. Ph.D. Eng. Avramescu A.-M. ¹ , Ph.D. Eng. Marin E. ² , Ph.D. Stud. Eng. Ciobanu V. ² ¹ University POLITEHNICA of Bucharest / Romania; ² INMA Bucharest / Romania E-mail: petruta.toderasc@yahoo.com	16 ¹⁰ +16 ²⁰

19⁰⁰ – ... - DINNER

1 November 2014

9³⁰+15³⁰ – Trip

15³⁰ - 17³⁰ - Lunch