

# LISTA DE LUCRĂRI

## Dr. Ing. Ionescu Octavian Narcis

### A. Lista lucrărilor (maxim 10) considerate relevante pentru realizările profesionale proprii

- A.1. **Ionescu Octavian**, Dumitru V., Pricop E., Pircalabu S.- Innovative Hardware-Based Cybersecurity Solutions, capitol publicat în Pricop E., Fattahi J., Dutta N., Ibrahim M. (Eds.) Recent Developments on Industrial Control Systems Resilience, Seria Studies in Systems, Decision and Control, vol 255, Editura Springer Nature Switzerland AG, Cham, Switzerland, ISBN: 978-3-030-31327-2, 2020, pag. 283-299, [DOI:https://doi.org/10.1007/978-3-030-31328-9](https://doi.org/10.1007/978-3-030-31328-9)
- A.2. Athena Maniadi, Maria Vamvakaki, Mirela Petruta Sucheș \*, Ioan Valentin Tudose, Marian Popescu, Cosmin Romanitan, Cristina Pachiu, **Ionescu Octavian**, Zaharias Viskadourakis, George Kenanakis, Koudoumas Emmanouel , *Effect of graphene nanoplatelets on the structure, the morphology and the dielectric behavior of low density polyethylene nanocomposites* MATERIALS, Volume: 13 Issue: 21, Article Number: 4776, Published: NOV 2020 DOI: 10.3390/ma13214776 Accession Number: WOS:000589393500001, PubMed ID: 33114722, eISSN: 1996-1944
- A.3. **Ionescu Octavian**, Viorel Dumitru, Emil Pricop, Octavian Buiu, Cornel Cobianu, Mihai Raneti, Stefan Pircalabu, Costin Marica, *On the development of a robust cyber security system for Internet of Things devices, 2019 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI),Pagini 1-5 JUN 27-29, 2019, Accession Number: WOS:000569985400049, ISBN:978-1-7281-1624-2,ISSN: 2378-7147*
- A.4. V. Dumitru, Cristina Besleaga, Ionescu Octavian , „Analog IGZO memristor with extended capabilities” June 2020, IEEE Journal of the Electron Devices Society PP(99):1-1DOI: 10.1109/JEDS.2020.3006000ISSN 2168-6734, Volume: 8 Pages: 695-700, DOI: 10.1109/JEDS.2020.3006000
- A.5. Pascariu, P; Vernardou, D; Sucheș, M; Airinei, A Ursu, L Bucur, S; Tudose, I V; **Ionescu Octavian.**; Koudoumas, E „Tuning electrical properties of polythiophene/nickel nanocomposites via fabrication”, MATERIALS & DESIGN, ISSN 0264-1275 Volume: 182, Published: NOV 15 2019 Article Number: UNSP 108027,,DOI: 10.1016/j.matdes.2019.108027,
- A.6. Dumitru, V; Costea, S; Brezeanu, M; Stan, GE; Besleaga, C; Galca, AC; Ionescu, G; **Ionescu Octavian** . „InN Based Water Condensation Sensors on Glass and Flexible Plastic Substrates „SENSORS, Volume: 13 Issue: 12 Pages: 16940-16949, published: DEC 2013, DOI: 10.3390/s131216940,

- A.7. **Ionescu, Octavian** ; Buiu, O ; Serban, B ; Ionescu, G ,, Studies on the development of an inferential method for battery state of health assessment” ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY, Volume: 19 Issue: 4 Pages: 310-320, Published: 2016
- A.8. **Ionescu, Octavian** ; Ionescu, G; Popovici, S; Costea, S; Dumitru, V; Brezeanu, Stan, GE ; Pasuk, I , Wireless AIN sensor for condition based monitoring of industrial equipment, 2013 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS), VOLS 1-2, Book Group Author(s):IEEE, Book Series: International Semiconductor Conference, Pages: 55-58, Published: 2013,
- A.9. *Metodă și sistem de securitate a aeroporturilor civile împotriva atacurilor teroriste cu rachete portabile sol-aer*  
Brevet de invenție RO 129740 B1 din 30.06.2016, acordat de Oficiul de Stat pentru Invenții și Mărci – OSIM, România.  
Inventatori: **Ionescu Octavian** Narcis, Pricop Emil, Ionescu Gabriela Cristina  
Link: [https://ro.espacenet.com/publicationDetails/originalDocument?FT=D&date=20160630&DB=&locale=ro\\_RO&CC=RO&NR=129740B1&KC=B1&ND=4](https://ro.espacenet.com/publicationDetails/originalDocument?FT=D&date=20160630&DB=&locale=ro_RO&CC=RO&NR=129740B1&KC=B1&ND=4)
- A.10. *BATTERY LIFE PROLONGATION*,  
*Brevet de invenție EP3279993A1 acordat de European Patent Agency*  
Inventatori: **IONESCU, Octavian-Narcis** , **BREZEANU, Mihai**; **BUIU, Octavian**; **DUMITRU, Viorel G.**; **GEORGESCU, Ion**; **SERBAN, Bogdan Catalin**  
Link: <https://worldwide.espacenet.com/patent/search/family/056557636/publication/EP3279993A1?q= pn%3DEP3279993A1>

## B. Teza de doctorat

B.1. *SISTEM INTERACTIV DE PROCESARE A IMAGINILOR PENTRU URMĂRIREA AUTOMATĂ A PROCESULUI DE SUDARE*, Teza de doctorat, Universitatea Petrol-Gaze din Ploiești, Ploiești, August 2005, 203 pagini  
Conducător științific: Prof. dr. ing. Dumitrecu Ioan

## C. Brevete de invenție

### C.1.1 Brevete de invenție internaționale acordate

C.1.1.1 *BATTERY LIFE PROLONGATION*,  
*Brevet de invenție EP3279993A1 acordat de European Patent Agency*  
Inventatori: **IONESCU, Octavian-Narcis** , **BREZEANU, Mihai**; **BUIU, Octavian**; **DUMITRU, Viorel G.**; **GEORGESCU, Ion**; **SERBAN, Bogdan Catalin**  
Link: <https://worldwide.espacenet.com/patent/search/family/056557636/publication/EP3279993A1?q= pn%3DEP3279993A1>

## C.1.2 Brevete de invenție internaționale publicate în evaluare

### C.1.2.1 ADAPTIVE BALANCING FOR BATTERY MANAGEMENT

Cerere de brevet de invenție EP16203528A·2016-12-12, publicată pe siteul EPO (European Patent Office) cu numărul: EP3333008A1·2018-06-13

Inventatori: BREZEANU MIHAI ; BUIU OCTAVIAN ; DUMITRU VIOREL GEORGEL; GEORGESCU ION ; IONESCU OCTAVIAN ; SERBAN BOGDAN-CATALIN ; SERBANESCU MATEI

### C.1.2.2 CYBER SECURITY SYSTEM FOR NETWORKED DEVICES

Cerere de brevet de invenție US201762579230P·2017-10-31, publicată pe siteul USPTO (United States Patent Office) cu numărul: WO2019087114A12019-05-09

Inventatori: BUIU ANDREI; BUIU OCTAVIAN ; CONSTANTINESCU ZORAN ; IONESCU OCTAVIAN ; SERBAN BOGDAN.

### C.1.2.3 CHEMIRESENSOR HUMIDITY SENSOR AND FABRICATION METHOD THEREOF

Cerere de brevet de invenție US2019128828A1, 2017-10-31, publicată pe siteul USPTO (United States Patent Office) cu numărul: US2019128828A1, WO2019087112A1, 2019-05-02

Inventatori: BUIU ANDREI; BUIU OCTAVIAN ; IONESCU OCTAVIAN ; SERBAN BOGDAN

## C.2.1 Brevete de invenție naționale acordate

C.2.1.1 Metodă și sistem de securitate a aeroporturilor civile împotriva atacurilor teroriste cu rachete portabile sol-aer :

Brevet de invenție RO 129740 B1 din 30.06.2016, acordat de Oficiul de Stat pentru Invenții și Mărci – OSIM, România.

Inventatori: Ionescu Octavian Narcis, Pricop Emil, Ionescu Gabriela Cristina

Brevetul de invenție a fost premiat de către UEFISCDI în cadrul competiției PNCDI III – Programul PI– Dezvoltarea sistemului național de cercetare-dezvoltare, Subprogramul 1.1–Resurse Umane, Premiera rezultatelor cercetării – brevete (PRECBVT -2017), cod depunere PN-III-PI-1.1-PRECBVT-2017-0102

Link: [https://ro.espacenet.com/publicationDetails/originalDocument?FT=D&date=20160630&DB=&locale=ro\\_RO&CC=RO&NR=129740B1&KC=B1&ND=4](https://ro.espacenet.com/publicationDetails/originalDocument?FT=D&date=20160630&DB=&locale=ro_RO&CC=RO&NR=129740B1&KC=B1&ND=4)

C.2.1.2 Sistem de siguranță pentru echiparea rachetelor antiaeriene dirijate laser

Brevet de invenție RO111224B1 Acordat de către Oficiul de Stat pentru Invenții și Mărci – OSIM România

CÎRSTOIU EMIL; EPARU ALEXANDRU ION DĂNUȚ ; IONESCU OCTAVIAN ; LOVASZ SANDOR ; MERIȘCĂ CORNEL ; MĂTREAȚĂ ADRIAN ; PĂRĂOANU NECULAI ; PĂTRAȘCU CONSTANTIN ; ROȘCA GABRIEL

Link <https://worldwide.espacenet.com/patent/search/family/064361016/publication/RO111224B1?q=pn%3DRO111224B1>

**C.2.2. Cereri de brevete de invenție naționale, aflate în evaluare**

*C2.2.1 Sistem bazat pe senzori conectați wireless pentru monitorizarea tentativelor de distrugere a infrastructurii strategice de transport a energiei electrice*

*Cerere de brevet de invenție nr. 129850 A0, publicată în Buletinul Oficial de Proprietate Intelectuală (BOPI) al Oficiului de Stat pentru Invenții și Mărci (OSIM), România, nr. 10/2014*

*Inventatori: Ionescu Octavian Narcis, Ionescu Gabriela Cristina, Pricop Emil*

*C2.2.2 ETHANOL SENSOR AND PROCESS FOR PREPARING THE SAME,*

*Cerere de brevet de invenție RO133637A2, publicată în Buletinul Oficial de Proprietate Intelectuală (BOPI) al Oficiului de Stat pentru Invenții și Mărci (OSIM), România, nr. RO133637A2-2019-09-30*

*Inventatori: BUIU OCTAVIAN; COBIANU CORNEL ; DUMBRAVESCU NICULAE ; IONESCU OCTAVIAN NARCIS ; MARINESCU MARIA ROXANA ; SERBAN BOGDAN CĂTĂLIN; VARSESCU DRAGOȘ-ALEXANDRU-CRISTIAN*

*C 2.2.3, SENSITIVE LAYER FOR ETHANOL SENSOR AND PROCESS FOR MANUFACTURING THE SAME*

*Cerere de brevet de invenție RO133635A2, publicată în Buletinul Oficial de Proprietate Intelectuală (BOPI) al Oficiului de Stat pentru Invenții și Mărci (OSIM), România, nr. RO133635A2, publicat 2019-09-30*

*Inventatori: BUIU OCTAVIAN; COBIANU CORNEL ; DUMBRAVESCU NICULAE ; IONESCU OCTAVIAN NARCIS ; MARINESCU MARIA ROXANA ; SERBAN BOGDAN CĂTĂLIN; VARSESCU DRAGOȘ-ALEXANDRU-CRISTIAN*

*C 2.2.4 CHEMIRESENSITIVE HUMIDITY SENSOR AND PROCESS FOR PREPARING THE SAME*

*Cerere de brevet de invenție RO133632A2, publicată în Buletinul Oficial de Proprietate Intelectuală (BOPI) al Oficiului de Stat pentru Invenții și Mărci (OSIM), România, nr. RO133632A2, publicat 2019-09-30*

*Inventatori: AVRAMESCU VIOREL MARIAN, BUIU OCTAVIAN; COBIANU CORNEL ; DUMBRAVESCU NICULAE ; IONESCU OCTAVIAN NARCIS ; MARINESCU MARIA ROXANA ; SERBAN BOGDAN CĂTĂLIN; VARSESCU DRAGOȘ-ALEXANDRU-CRISTIAN*

*C2.2.5 INTELLIGENT SYSTEM FOR ASSESSMENT OF RISK REPRESENTED BY DRIVERS IN TRAFFIC, BASED ON STUDYING VIDEO INFORMATION*

*Cerere de brevet de invenție RO133970A2, publicată în Buletinul Oficial de Proprietate Intelectuală (BOPI) al Oficiului de Stat pentru Invenții și Mărci (OSIM), România, nr. RO133970A2, publicat 2020-03-30*

*Inventatori: IONESCU OCTAVIAN*

*C2.2.6 SYSTEM AND METHOD FOR MEASURING THE REGRESSION RATE OF SOLID FUELS MADE BY 3D PRINTING TECHNOLOGY*

*Cerere de brevet de invenție RO133286A0, publicată în Buletinul Oficial de Proprietate Intelectuală (BOPI) al Oficiului de Stat pentru Invenții și Mărci (OSIM), România, nr. RO133286A0, publicat 2019-04-30*

*Inventatori IONESCU GABRILA CRISTINA IONESCU OCTAVIAN NARCIS ; VLADOIU MONICA ; ZORAN CONSTANTINESCU*

**C2.2.7 PRESSURE SENSOR SYSTEM INCLUDED WITHIN THE STRUCTURE OF ROCKET ENGINE NOZZLE**

*Cerere de brevet de invenție RO133285A0, publicată în Buletinul Oficial de Proprietate Intelectuală (BOPI) al Oficiului de Stat pentru Invenții și Mărci (OSIM), România, nr. RO133285A0, publicat 2019-04-30*

*Inventatori IONESCU GABRILA CRISTINA IONESCU OCTAVIAN NARCIS ; VLADOIU MONICA ; ZORAN CONSTANTINESCU*

**C2.2.8 INFERENTIAL SYSTEM FOR DETERMINING WATER TURBIDITY BY USING MICROWAVE ATTENUATION CHANGES IN THE MEDIUM TO BE ANALYZED**

*Cerere de brevet de invenție RO134059A0, publicată în Buletinul Oficial de Proprietate Intelectuală (BOPI) al Oficiului de Stat pentru Invenții și Mărci (OSIM), România, nr. RO134059A0, publicat 2020-04-30*

*Inventatori IONESCU GABRIELA CRISTINA ; IONESCU OCTAVIAN NARCIS ; PARASCHIV NICOLAE ; PRICOP EMIL*

**C2.2.8 CHEMIRESENSITIVE HUMIDITY SENSOR BASED ON NANOCARBON COMPOSITES**

*Cerere de brevet de invenție RO134263A2, publicată în Buletinul Oficial de Proprietate Intelectuală (BOPI) al Oficiului de Stat pentru Invenții și Mărci (OSIM), România, nr. RO134263A2, publicat 2020-06-30*

*Inventatori AVRAMESCU VIOREL MARIAN, BUIU OCTAVIAN; COBIANU CORNEL ; DUMBRAVESCU NICULAE ; IONESCU OCTAVIAN NARCIS ; MARINESCU MARIA ROXANA ; SERBAN BOGDAN CĂTĂLIN; VARSESCU DRAGOȘ-ALEXANDRU-CRISTIAN*

**C2.2.9 HELICAL ROTOR WITH INTERNAL COOLING CHANNELS MADE BY ADDITIVE MANUFACTURING**

*Cerere de brevet de invenție RO133436A2, publicată în Buletinul Oficial de Proprietate Intelectuală (BOPI) al Oficiului de Stat pentru Invenții și Mărci (OSIM), România, nr. RO133436A2, publicat 2019-06-28*

*Inventatori BUIU OCTAVIAN; COBIANU CORNEL ; DUMBRAVESCU NICULAE ; IONESCU OCTAVIAN NARCIS ; MARINESCU MARIA ROXANA ; SERBAN BOGDAN CĂTĂLIN; VARSESCU DRAGOȘ-ALEXANDRU-CRISTIAN*

**C2.2.10 INNOVATIVE SYSTEM FOR USING INDOOR THREE-DIMENSIONAL LUMINOUS ADVERTISEMENTS FOR AIR PURIFICATION**

*Cerere de brevet de invenție RO133324A0, publicată în Buletinul Oficial de Proprietate Intelectuală (BOPI) al Oficiului de Stat pentru Invenții și Mărci (OSIM), România, nr. RO133324A0, publicat 2019-05-30*

*Inventatori IONESCU OCTAVIAN NARCIS; PĂCURARU LUMINIȚA; SUCHEA MIRELA PETRUȚA ; TUDOSE IOAN VALENTIN*

## D. Cărți și capitole de cărți

### D.1. Cărți publicate

- D.1.1 Ionescu Octavian**, *Microcontrolere. Îndrumar de lucrări practice*, Editura Universității Petrol – Gaze din Ploiești Ploiesti; ISBN 978-973-719-790-0 Ploiesti 2012
- D 1.2 Ionescu Octavian (coordonator)**, Cristian Bucur, Ioan Savulescu, Gheorghe Cremenescu, *Manual pentru formare electronisti*, Editura Universității Petrol – Gaze din Ploiești, ISBN 978-973-719-413-8, Ploiești 2012,
- D.1.3 Ionescu Octavian (coordonator)**, Gheorghe Cremenescu, Octavian Dinu, Dragomir Orhei, Alexandru Savulescu, Ioan Savulescu, *Electronica analogica- îndrumar de lucrari practice*, Ed. Universității Petrol-Gaze din Ploiești, ISBN 978-973-719-486-6 Ploiesti 2012
- D.1.4 Ioan Dumitrescu**, Gheorghe Cremenescu, Cristian Bucur, Ioan Savulescu, Cornel Ianache, Dragomir Orhei, Octavian Dinu, Liana Georgescu, Bogdan Mirodotescu, **Ionescu Octavian**, Augustina Teodoroiu, *Masurari Electronice*, Editura AGIR, Bucuresti, ISBN 973-8130-48-4, Bucuresti 2001.

### D.2. Capitole de carte publicate

- D.2.1. Ionescu Octavian.**, Dumitru V., Pricop E., Pircalabu S.- *Innovative Hardware-Based Cybersecurity Solutions*, capitol publicat în *Recent Developments on Industrial Control Systems Resilience*, Seria Studies in Systems, Decision and Control, vol 255, Editura Springer Nature Switzerland AG, Cham, Switzerland, ISBN: 978-3-030-31327-2, 2020, pag. 283-299, DOI:[https://doi.org/10.1007/978-3-030-31328-9\\_12](https://doi.org/10.1007/978-3-030-31328-9_12)
- D.2.2. Bogdan - Catalin Serban, Marius Bumbac, Ionescu Octavian, Viorel Dumitru, Mihai Brezeanu, Octavian Buiu, Cornel Cobianu**, *Quantum Dots versus Dyes in Sensitized Solar Cells: Synthesis, Optimization, Performance*, In book: Science and applications of Tailored Nanostructures, Publisher: One Central Press, Editors: Professor Paolo Di Sia, 2017 ISBN (eBook): 978-1-910086-19-3 <http://www.onecentralpress.com/science-and-applications-of-tailored-nanostructures/>
- D.2.3. United Nations. Monitoring, Verification and Inspection Commission Compendium of Iraq's Proscribed Weapons Programmes in the Chemical, Biological and Missile Areas United Nations**, 2007 Chapter IV Missile programme <https://web.archive.org/web/20130318084012/http://www.un.org/depts/unmovic/new/pages/compendium.asp>  
<http://onlinebooks.library.upenn.edu/webbin/book/lookupid?key=olbp60650>
- D.2.4. United Nations. Monitoring, Verification and Inspection Commission, Monitoring in the missiles area, Classified due to nonproliferation issues.** (certificatul eliberat de UNOVIC atasat)

D.2.5. United Nations. *Monitoring, Verification and Inspection Commission, Status of Iraqi Programmes on Remotely Piloted Vehicles (RPV) and Unmanned Aerial Vehicles (UAV)*, Classified due to nonproliferation issues. (certificatul eliberat de UNOVIC atasat)

D.2.6. United Nations. *Monitoring, Verification and Inspection Commission, Al Samoud 2 Missile programme- From the Al Samoud 500mm to the Al Samoud 760mm*, Classified due to nonproliferation issues. (certificatul eliberat de UNOVIC atasat)

## E. Articole publicate în extenso în reviste din fluxul științific internațional principal

### E.1. Articole publicate în reviste indexate Clarivate Analytics - Web of Science (SCIE - ISI)

E.1.1. Petronela P, Mihaela H, Nicolae O, Anton A. , Ionescu Octavian, *New electrospun ZnO:MoO<sub>3</sub> nanostructures: Preparation, characterization and photocatalytic performance*, July 2020, *Nanomaterials*, ISSN 2079-4991 10(8), DOI: 10.3390/nano10081476, LicenseCC BY <https://www.mdpi.com/2079-4991/10/8/1476>

E.1.2. Athena Maniadi, Maria Vamvakaki, Mirela Petruta Sucheș \*, Ioan Valentin Tudose, Marian Popescu, Cosmin Romanitan, Cristina Pachiș, Ionescu Octavian, Zaharias Viskadourakis, George Kenanakis, Koudoumas Emmanouel , *Effect of graphene nanoplatelets on the structure, the morphology and the dielectric behavior of low density polyethylene nanocomposites*,  
[https://apps-wofknowledge-com.am.e-formation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.wofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=D4EdKu5m2MWBDenKrCj&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000589393500001](https://apps-wofknowledge-com.am.e-formation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.wofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=D4EdKu5m2MWBDenKrCj&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000589393500001)

E.1.3. V. Dumitru, Cristina Besleaga, **Ionescu Octavian** Narcis, „*Analog IGZO memristor with extended capabilities*” June 2020, *IEEE Journal of the Electron Devices Society* PP(99):1-1DOI: 10.1109/JEDS.2020.3006000ISSN 2168-6734, Project: Innovative hardware based cyber-security solutions.  
[https://apps-wofknowledge-com.am.e-formation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.wofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=D4EdKu5m2MWBDenKrCj&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000550636000003](https://apps-wofknowledge-com.am.e-formation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.wofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=D4EdKu5m2MWBDenKrCj&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000550636000003)

E.1.4. Cobianu, C , Dumbravescu, N ; Serban, BC ; Romanitan, C.,Buiu, O., Comanescu, F , Danila, M ; Marinescu, R ; Avramescu, V , **Ionescu, Octavian** . „*Sonochemically synthesized ZnO-Graphene nanohybrids and its characterization*” *REVIEWS ON ADVANCED MATERIALS SCIENCE* ,Volume: 59 Issue: 1 Pages: 176-187, DOI: 10.1515/rams-2020-0013 Published: JAN 2020  
[https://apps-wofknowledge-com.am.e-formation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.wofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RR](https://apps-wofknowledge-com.am.e-formation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.wofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RR)

[C&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A0057463800001](https://apps-webofknowledge-com.am.e-formation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A0057463800001)

- E.1.5. Simionescu, OG; Pachiu, C; **Ionescu Octavian**; Dumbravescu, N; Buiu, O; Popa, RC; Avram, A ; Dinescu, G „*Nanocrystalline graphite thin layers for low-strain, high-sensitivity piezoresistive sensing*” REVIEWS ON ADVANCED MATERIALS SCIENCE, Volume: 59 Issue: 1 Pages: 306-313, DOI: 10.1515/rams-2020-0031, Published: JAN 2020  
[https://apps-webofknowledge-com.am.e-formation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000557463800001](https://apps-webofknowledge-com.am.e-formation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000557463800001)
- E.1.6. Pascariu, P; Vernardou, D; Sucheai, M; Airinei, A Ursu, L Bucur, S; Tudose, I V; **Ionescu Octavian**; Koudoumas, E „*Tuning electrical properties of polythiophene/nickel nanocomposites via fabrication*”, MATERIALS & DESIGN, ISSN 0264-1275 Volume: 182, Article Number: UNSP 108027,,DOI: 10.1016/j.matdes.2019.108027, Published: NOV 15 2019  
[https://apps-webofknowledge-com.am.e-formation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000488458700016](https://apps-webofknowledge-com.am.e-formation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000488458700016)
- E.1.7. C. Cobianu ,B. C. Serban, O. Buiu, **Ionescu Octavian**, N Dumbravescu; *Effect of Silicon Surface Cleaning on Electrical Properties of As-Deposited Atomically Layer-Deposited (ALD) HfO<sub>2</sub> Films Obtained From Tetrakis(dimethylamino)Hafnium (TDMAH) and Water* May 2019 Romanian Journal of Information Science and Technology 22(Number 1 /2019):41-56  
[http://www.romjist.ro/contents-75.htmlhttps://apps-webofknowledge-com.am.e-formation.ro/full\\_record.do?product=WOS&search\\_mode=SourceByDais&qid=1&SID=D4p95UrMQ7hDzkZHkTk&page=1&doc=1](http://www.romjist.ro/contents-75.htmlhttps://apps-webofknowledge-com.am.e-formation.ro/full_record.do?product=WOS&search_mode=SourceByDais&qid=1&SID=D4p95UrMQ7hDzkZHkTk&page=1&doc=1) [https://apps-webofknowledge-com.am.e-formation.ro/full\\_record.do?product=WOS&search\\_mode=SourceByDais&qid=9&SID=F3hHY6XO4hVKDVNj2Mt&page=1&doc=11](https://apps-webofknowledge-com.am.e-formation.ro/full_record.do?product=WOS&search_mode=SourceByDais&qid=9&SID=F3hHY6XO4hVKDVNj2Mt&page=1&doc=11)
- E.1.8. Serban, B.C., Buiu, O., Brezeanu M. , **Ionescu Octavian** Cobianu, C., „*Short communication Nanostructured semiconducting metal oxides for ethanol gas sensing. A possible HSAB interpretation*” ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY, Volume: 21 Issue: 1 Pages: 93-96, Published: 2018  
[https://apps-webofknowledge-com.am.e-formation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=D4p95UrMQ7hDzkZHkTk&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000433876800007](https://apps-webofknowledge-com.am.e-formation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=D4p95UrMQ7hDzkZHkTk&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000433876800007)
- E.1.9. A. M OPROIU, I. LASCAR, C. MOLDOVAN, O. DONTU, M. PANTAZICA, C. MIHAILA, C. FLOREA, L. DOBRESU, I. SEBE, R. SCARLET, D. DOBRESU, T. NEAGU, **IONESCU OCTAVIAN**, I. C. STOICA, and A. EDU , *Peripheral Nerve*



*WiFi Interfaces and Electrodes for Mechatronic Prosthetic Hand*, ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY Volume 21 , Number 2, 2018, 129–138

[https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=D4p95UrMQ7hDzkZHkTk&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A00045589960003](https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=D4p95UrMQ7hDzkZHkTk&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A00045589960003)

- E.1.10. B. C. Serban, O. Buiu, M. Brezeanu, **Ionescu Octavian**, C. Cobianu, *Nanostructured semiconducting metal oxides for ethanol gas sensing. A possible HSAB interpretation*, ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY Volume 21, No. 1, 2018, pp. 93-96, Paper no. 583/2018

[https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=D4p95UrMQ7hDzkZHkTk&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A00043387680007](https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=D4p95UrMQ7hDzkZHkTk&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A00043387680007)

- E.1.11. B. C. Serban, M. Brezeanu, A. D. Luca, S. Z. Ali, O. Buiu, C. Cobianu, A. Stratulat, F. Udrea, V. Avramescu, N. Varachiu, **Ionescu Octavian**, and G. Ionescu, *Nanostructured metal oxides semiconductors for oxygen chemiresistive sensing*, ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY, ISSN 1453-8245, Volume 20, Number 2, 2017, 86–100, /

[https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A00041621330000](https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A00041621330000)

- E.1.12. **Ionescu Octavian**, Octavian Buiu, Bogdan Serban, Gabriela Ionescu, *Studies on the development of an inferential method for battery state of health assessment*, ROMANIAN JOURNAL OF INFORMATION SCIENCE AND TECHNOLOGY, ISSN 1453-8245, Volume 19, Number 4, 2016, 310–320,

[https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A00040515170001](https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A00040515170001)

- E.1.13. I.Nae, G.C.Ionescu, **Ionescu Octavian**, M. Minescu, *Considerations on the wearing of cutting tools made off syntherized metallic carbides*, Journal of the Balkan Tribological Association, vol.22, no.1A-1, 2016, pag. 592-604, ISSN 1310-4772,

[https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000348122200038](https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000348122200038)

- E.1.14. Viorel Dumitru, Stefan Costea, Mihai Brezeanu, George Stan, Cristina Besleaga, Aurelian Galca, Gabriela Ionescu, **Ionescu Octavian** - *InN based water condensation sensors on glass and flexible plastic substrates*, Sensors 2013, no.13, 16940-16949, ISSN 1424-8220, doi:10.3390/s131216940, ISSN 1424-8220, [https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000330220600059](https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000330220600059)
- E.1.15. **Ionescu Octavian**, G. C., Minescu, M., Nae, I. – *Research on life prolongation for temperature sensors placed in highly erosive environment*, Journal of the Balkan Tribological Association, vol.19, no.2, 2013, pag.214 -220, ISSN 1310-4772, [https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A00032179630000](https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A00032179630000)
- E.1.16. **Ionescu Octavian.**, Ionescu, G. C., Minescu, M., Nae, I. – *Studies on wear protection for humidity sensor in a sand drying plant*, Journal of the Balkan Tribological Association, vol.18, no.1, 2012, pag.51-57, ISSN 1310-4772, <http://scibulcom.net/ibtan.php>; [https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=F3hHY6XO4hVKDVNj2Mt&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000302843400006](https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=F3hHY6XO4hVKDVNj2Mt&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000302843400006)
- E.1.17. G.C. Ionescu, **Ionescu Octavian**, N.N.Antonescu, I.Nae – *New image processing based method for automated welding technology*, Journal of the Balkan Tribological Association, vol.16, no.2, 2010, pag.189-196, ISSN 1310-4772, <http://scibulcom.net/ibtan.php>; [https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000280725400003](https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000280725400003)
- E.1.18. E.1.18 Ionescu, O ; Ionescu, G , *EXPERIMENTAL RESEARCH ON CORROSION RESISTANCE OF DUPLEX STAINLESS STEEL WELDS PRODUCED BY OPOD GMAW PROCESS*, METALURGIA INTERNATIONAL, Volume: 14 Pages: 23-26 Special Issue: 17, Published: 2009 [https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000273720900005](https://apps-webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7IbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000273720900005)

## E.2. Articole publicate în lucrările unor conferințe indexate Clarivate Analytics Web of Science (ISI Proceedings - CPCI)

E2.1. **Ionescu Octavian**, Viorel Dumitru, Emil Pricop, Octavian Buiu, Cornel Cobianu, Mihai Raneti, Stefan Pircalabu, Costin Marica, *On the development of a robust cyber security system for Internet of Things devices*, 2019 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI, Pagini 1-5) JUN 27-29, 2019, Accession Number: WOS:000569985400049, ISBN:978-1-7281-1624-2, ISSN: 2378-7147

[https://apps- webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=D4EdKu5m2MWBDenKrCj&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000569985400049](https://apps- webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=D4EdKu5m2MWBDenKrCj&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000569985400049).

E.2.2. Cobianu, C; Dumbravescu, N; Serban, B; Buiu, O; Comanescu, F; Romanitan, C ; Danila, M; Avramescu, V; Ionescu, Octavian , „*Facile 3D nanostructured ZnO-graphene hybrids for gas sensing applications*” 2019 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS 2019), 42ND EDITION Edited by: Brezeanu, G; Ciurea, ML; Cristea, D; Dinescu, MA; Dobrescu, D; Dragoman, M; Muller, A; Muller, R; Neculoiu, D Book Series: International Semiconductor Conference, Pages: 27-30, Published: 2019

[https://apps- webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514295300004](https://apps- webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514295300004)

E.2.3 Paun, C ; Obreja, C ; Comanescu, F ; Tucureanu, V ; Tutunaru, O ; Romanitan, C ; Ionescu, Octavian *Epoxy nanocomposites based on MWCNT*, 2019 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS 2019), 42ND EDITION Edited by: Brezeanu, G; Ciurea, ML; Cristea, D; Dinescu, MA; Dobrescu, D; Dragoman, M; Muller, A; Muller, R; Neculoiu, D, Book Series: International Semiconductor Conference, Pages: 237-240, Published: 2019

[https://apps- webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514295300050](https://apps- webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514295300050)

E.2.4 Dumbravescu, N; Ionescu, Octavian ; Cernica, I; Buiculescu, V ; Pistritu, F; Mitrea, C, *Significant enhancement of electrical behavior of SAW devices on langasite and quartz substrates obtained by improvements in design and technology* 2019 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS 2019), 42ND EDITION, Book Series: International Semiconductor Conference Pages: 259-262m Published: 2019

[https://apps- webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514295300050](https://apps- webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514295300050)

[D=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514295300054](https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514295300054).

E.2.5 Cobianu, C; Nastase, F; Dumbravescu, N; Buiu, O; Albu, A; Serban, B ; Danila, M; Romanitan, C; Ionescu, O *ELECTRICAL PROPERTIES OF AS-DEPOSITED ALD HfO<sub>2</sub> FILMS RELATED TO SILICON SURFACE STATE*, CAS 2018 PROCEEDINGS: 2018 INTERNATIONAL SEMICONDUCTOR CONFERENCE Edited by:Brezeanu, G; Ciurea, ML; Cristea, D; Dinescu, MA; Dobrescu, D; Dragoman, M; Muller, A; Muller, R; Neculoiu, D Pages: 69-72 Published: 2018

[https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514386700010](https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514386700010)

E.2.6 Pascariu, P; Tudose, IV; Pachiu, C ; Danila, M; Ionescu, O; Popescu, M; Koudoumas, E; Sucheana, M , *Graphene and TiO<sub>2</sub> - PVDF nanocomposites for potential applications in triboelectronics*, CAS 2018 PROCEEDINGS: 2018 INTERNATIONAL SEMICONDUCTOR CONFERENCE Edited by:Brezeanu, G; Ciurea, ML; Cristea, D; Dinescu, MA; Dobrescu, D; Dragoman, M; Muller, A; Muller, R; Neculoiu, D Pages: 237-240 Published: 2018

[https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514386700047](https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514386700047).

E.2.7. Giura, IM; Pachiu, C; Popescu, M; Bită, B; Ionescu, ON ; Sucheana, M , *Methods for Art Preservation and Restauration. Identification of parameters for potential monitoring the temporal evolution of putties*, CAS 2018 PROCEEDINGS: 2018 INTERNATIONAL SEMICONDUCTOR CONFERENCE, Edited by:Brezeanu, G; Ciurea, ML; Cristea, D; Dinescu, MA; Dobrescu, D; Dragoman, M; Muller, A; Muller, R; Neculoiu, D, Pages: 291-294, Published: 2018

[https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514386700060](https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514386700060)

E.2.8. Stan, MF; Husu, AG; Ionescu, O., „Automatic System for Monitoring of Strategic Infrastructure Using Wireless Sensors” 2017 10TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE),. Book Group Author(s):IEEE Book Series: International Symposium on Advanced Topics in Electrical Engineering, Pages: 898-902, Published: 2017 Conference: 10th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Location: Bucharest, ROMANIA, , Date: MAR 23-25, 2017

[https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514386700060](https://apps-webofknowledge-com.am.e-information.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000514386700060)

[D=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000403399400174](https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000403399400174)

E.2.9. Cobianu, C; Serban, B; Stratulat, A; Buiu, O; Ionescu, O ; Diaconu, C ; Piesker, A, *PROTECTIVE CHEMICAL GLOVES WITH END OF SERVICE LIFE INDICATION-A CONCEPTUAL VIEW*, 2017 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS), 40TH EDITION Book Group Author(s):IEEE, Book Series: International Semiconductor Conference, Pages: 231-234, Published: 2017

[https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000425844500049](https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000425844500049)

E.2.10. Serbanescu, M; Ionescu, O ; Georgescu, I; Dumitru, V; Buiu, O , *Studies for an optimal balancing system for Li ion batteries based on State of Health assessment*, 2016 39TH INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS) Book Group Author(s):IEEE Book Series: International Semiconductor Conference Pages: 213-216 Published: 2016

[https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000391323300044](https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000391323300044)

E.2.11. Nae, I; Ionescu, GC; Ionescu, O. *Planning and Supervising Assembly Works using Microsoft Project*, MANUFACTURING AND APPLIED RESEARCH, Edited by: Xu, D, Conference: 2nd International Conference on Manufacturing (Manufacturing) Book Series: Advanced Materials Research, Volume: 909 Pages: 192-197, DOI: 10.4028/www.scientific.net/AMR.909.192 Published: 2014

[https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000348122200038](https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000348122200038)

E.2.12. Ionescu, G ; Ionescu, Octavian ; Popovici, S; Costea, S; Dumitru, V; Brezeanu, Stan, GE ; Pasuk, I , *Wireless AlN sensor for condition based monitoring of industrial equipment*, 2013 INTERNATIONAL SEMICONDUCTOR CONFERENCE (CAS), VOLS 1-2, Book Group Author(s):IEEE, Book Series: International Semiconductor Conference, Pages: 55-58, Published: 2013,

[https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000330180800011](https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000330180800011)

- E.2.13. Ionescu, Octavian ; Pricop, E., *On the design of a system for airport protection against terrorist attacks using MANPADs*, 2013 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC 2013) Book Group Author(s):IEEE Book Series: IEEE International Conference on Systems Man and Cybernetics Conference Proceedings, Pages: 4778-4782, DOI: 10.1109/SMC.2013.813, ,Published: 2013  
[https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000332201904156](https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000332201904156)
- E.2.14 Nae, I; Ionescu, GC; Minescu, M; Ionescu, Octavian ., *The Planning of Technological Process for Mechanical Processing by Using Microsoft Project Software*, ICEEM 2012: 2012 2ND INTERNATIONAL CONFERENCE ON ECONOMIC, EDUCATION AND MANAGEMENT, VOL 1, Edited by:Zhu, M, Pages: 450-455, Published: 2012, Document Type:Proceedings Paper  
[https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000318122400080](https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000318122400080)
- E.2.15. Ionescu, Octavian; Pricop, E; Paraschiv, P ., *The Management of Health and Safety Issues Related to the Wearing of Protective Clothing by Using RFID Technology*, ICEEM 2012: 2012 2ND INTERNATIONAL CONFERENCE ON ECONOMIC, EDUCATION AND MANAGEMENT, VOL 1, Edited by:Zhu, M, Pages: 495-499, Published: 2012, Document Type:Proceedings Paper  
[https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000318122400088](https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000318122400088)
- E.2.16. Ionescu, Octavian; Ionescu, G *STUDY ON THE BEHAVIOR OF DOSING SCALES IN AN ENVIRONMENT AFFECTED BY SEVERE VIBRATIONS*, ANNALS OF DAAAM FOR 2009 & PROCEEDINGS OF THE 20TH INTERNATIONAL DAAAM SYMPOSIUM, Edited by:Katalinic, B Book Series: Annals of DAAAM and Proceedings, Volume: 20 Pages: 1357-1358, Published: 2009  
[https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000282335600679](https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=https%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000282335600679)
- E.2.17. Ionescu, Octavian ; Ionescu G., *TRAINING SYSTEM FOR WELDING OPERATORS*, ANNALS OF DAAAM FOR 2008 & PROCEEDINGS OF THE 19TH INTERNATIONAL DAAAM SYMPOSIUM, Edited by:Katalinc, B, Book Series: Annals of DAAAM and Proceedings, Pages: 635-636, Published: 2008

[https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en\\_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000262860100317](https://apps- webofknowledge-com.am.e-nformation.ro/InboundService.do?product=WOS&Func=Frame&DestFail=http%3A%2F%2Fwww.webofknowledge.com&SrcApp=RRC&locale=en_US&SrcAuth=RRC&SID=C2e2h2LN7lbGEAKkOWZ&customersID=RRC&mode=FullRecord&IsProductCode=Yes&Init=Yes&action=retrieve&UT=WOS%3A000262860100317)

## E. Publicațiile în extenso apărute în lucrări ale principalelor conferințe internaționale de specialitate

### E1 Lucrări publicate la conferințe indexate în IEEE Xplore

E 1.1 L. Blystad, P. Ohlckers, L. Marchetti, E. Franti, M. Dascalu, O. Ionescu, D. Dobrescu, L. Dobrescu, C. Niculae, D. Dragomir, B K Hønsvall, C O Opris, K Imenes, M. Ion, A. M. Oproiu, A-M Pascalau, C. Moldovan, B. Firtat, V. Ristoiu, R. Gheorghe, A. Barbilian „ *Bidirectional neuroprosthesis system integration*” 2020/9/15 2020 IEEE 8th Electronics System-Integration Technology Conference (ESTC) Conferință, Pagini 1-7, DOI: 10.1109/ESTC48849.2020.9229697

<https://ieeexplore.ieee.org/abstract/document/9229697>

E1.2 C Paun, R Tomescu, D Cristea, O Ionescu, C Parvulescu, *Design, fabrication and characterization of a micro-heater for metasurface-based gas sensors*, International Semiconductor Conference (CAS), 2020 Pagini 31-34 DOI: 10.1109/CAS50358.2020.9267975

<https://ieeexplore.ieee.org/abstract/document/9267975>

E.1.3 Razvan Pascu, Mihaela Kusko, Octavian Ionescu, Gheorghe Pristavu, Gheorghe Brezeanu, *Electrical defects in grown oxide on SiC and from the oxide/SiC interface*, International Semiconductor Conference (CAS), 2020, pages 37-40, DOI: 10.1109/CAS50358.2020.9268016

<https://ieeexplore.ieee.org/abstract/document/9268016>

E.1.4 Octavian Ionescu ; Viorel Dumitru ; Emil Pricop ; Octavian Buiu ; Cornel Cobianu ; Mihai Raneti ; Stefan Pircalabu ; Costin Marica

*On the development of a robust cyber security system for Internet of Things devices* 2019 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Year: 2019 | Conference Paper | Publisher: IEEE

<https://ieeexplore-ieee-org.am.e-nformation.ro/document/9042004>

E.1.5 Octavian Ionescu ; Viorel Dumitru ; Emil Pricop;Cristina Besleaga  
*UAV identification system based on memristor physical unclonable functions*

2020 12th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) Year 2020, Conference Paper, Publisher IEEE

<https://ieeexplore.ieee.org/document/9223154>

E.1.6 Davide Loreggia ; Gerardo Capobianco ; Silvano Fineschi ; Giuseppe Massone ; Cedric Thizy ; Camille Galy ; Ionescu Octavian et all 12 Author(s)

*The Occulter Position Sensor Emitters (OPSE) metrology sub-system for the PROBA-3 mission*, 2019 IEEE 5th International Workshop on Metrology for AeroSpace (MetroAeroSpace),

<https://ieeexplore.ieee.org/document/8869628>;

<https://www.scopus.com/authid/detail.uri?authorId=35299353200>

## F. Alte lucrări publicate

F.1 O Buiu, BC Serban, O Ionescu, *Internet of Things and the Human Body*, Journal of Nanomedicine Research. Volume 5 Issue 2 – 2017  
<https://medcraveonline.com/JNMR/>

F. 2 Ion Nae, Ionescu Gabriela Cristina, Ionescu Octavian Narcis, *Improvements in Quality Assurance for Blowout Preventers Assembling/Disassembling and Maintenance Operations*, Applied Mechanics and Materials Vol. 555 (2014) pp 811-815© (2014) Trans Tech Publications, Switzerland  
doi:10.4028/www.scientific.net/AMM.555.811  
<https://www.scientific.net/AMM.555.811>

F.4. Ion Nae, Ionescu Gabriela Cristina, Ionescu Octavian Narcis, *Improvements in Quality Assurance for Blowout Preventers Assembling/Disassembling and Maintenance Operations*, Applied Mechanics and Materials Vol. 555 (2014) pp 811-815© (2014) Trans Tech Publications, Switzerland  
doi:10.4028/www.scientific.net/AMM.555.811  
<https://www.scientific.net/AMM.555.811>

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Dr. Ing. Ionescu Octavian