

# LISTA DE LUCRĂRI

Profesor Ioan LITA

## **A, LISTA LUCRĂRILOR RELEVANTE (MINIM 5):**

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**138. Ioan LITĂ, Daniel Alexandru VIȘAN,** “Remote Data Transmission for Distributed Acquisition Systems”, 12<sup>th</sup> International Symposium for Design and Technology of Electronic Packaging - SIITME 2006, pp. 224-227, ISBN 978-973-8961-23-4, Iasi, Romania, 21-24 September 2006.

**147. Ioan Lita, Daniel Alexandru Visan, Stefan Oprea, Bogdan Ion Cioc,** “Hardware Design for Noise Reduction in Data Acquisition Modules”, 30<sup>th</sup> International Spring Seminar on Electronics Technology - ISSE 2007, Emerging Technologies for Electronics Packaging, IEEE Catalog Number: 07EX1780C, ISBN: 1-4244-1218-8, pp. 462-466, Technical University of Cluj-Napoca, Cluj-Napoca, ROMANIA, May 9-13, 2007.

**159. Ioan LITA, Stefan OPREA, Ion Bogdan CIOC, Daniel Alexandru VISAN,** “Wireless Technologies for Distributed Sensor Networks Used in Measurement and Automation Systems”, 31<sup>th</sup> International Spring Seminar on Electronics Technology - ISSE 2008, Reliability and life time prediction, ISBN: 978-1-4244-3973-7, pp. 303-307 (E008), Technical University of Budapesta, Budapesta, Ungaria, May 7-11, 2008.

**168. Ioan Lita, Daniel Alexandru Visan, Ion Bogdan Cioc,** “FPAA Based PID Controller with Applications in the Nuclear Domain”, 32<sup>th</sup> International Spring Seminar on Electronics Technology - ISSE 2009, "Hetero System Integration, the path to New Solutions in the Modern Electronics", ISBN: 978-1-4244-4260-7, IEEE Catalog Number: CFP09509, pp. 274 – 275 (F05), Brno University of Technology, Brno, Czech Republic, May 13-17, 2009.

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**203. Daniel Alexandru Visan, Ioan Lita,** “Multipoint Wireless Measurement System with LabVIEW Interface”, 2011 IEEE 17<sup>th</sup> International Symposium for Design and Technology of Electronic Packaging - SIITME 2011, pp. 269-272, ISBN 978-1-4577-1277-7, Politehnica University of Timișoara, Faculty of Electronics and Telecommunications, Timisoara, Romania, 20-23 October 2011.

**208. Daniel Alexandru Visan, Ioan Lita, Marian Raducu,** “FSK Transmission Circuit for Remote Sensors Integration in Distributed Measurement Systems”, 2012 IEEE 18<sup>th</sup> International Symposium for Design and Technology of Electronics Packages - SIITME 2012, pp.237-240, IEEE Catalog Number: CFP1207I-USB, Print ISBN: 978-1-4673-4757-0, Digital Object Identifier: 10.1109/SIITME.2012.6384383, <http://ieeexplore.ieee.org/>, University of Bucharest, Center for Technological Electronics and Interconnection Techniques and “1 decembrie 1918” University of Alba Iulia, Faculty of Science and “Politehnica”, Alba Iulia, Romania, 25 – 28, October 2012.

## **B. TEZA DE DOCTORAT**

**Ioan Lita:** "Analiza efectelor radiatiilor asupra proprietatilor materialelor, componentelor si sistemelor electronice"; U.P.B. 1997

## **C. LISTA CĂRȚILOR PUBLICATE(cronologic)**

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## **D. LISTA LUCRARILOR STIINTIFICE(cronologic)**

**1986- 2000**

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**230. C.M. Talpalariu, J. Talpalariu, O. Popescu, M. Mocanasu, I. Lita, D.A. Visan :** Testing Digital Recursive Filtering Method for Radiation Measurement Channel Using PIN Diode Detector ; NUCLEAR 2016; The 9-th Annual International Conference on Sustainable Development through Nuclear Research and Education; organized by RATEN ICN Pitesti; Proceeding ISSN 2066-2955;18-20 Mai 2016, Pitesti, Romania

## **E. BREVETE DE INVENTIE / INOVATII**

## **F. LISTA DE CONTRACTE DE CERCETARE(cronologic) – GRANTURI SI**

### **CONTRACTE CU MEDIUL ECONOMIC**

**1. E. Sofron (coordonator), I. Lita** s.a.: "Aspecte teoretice ale modelarii retelelor neuronale pentru aplicatii in domeniul nuclear"; Conventie de cercetare cu Institutul de Cercetari Nucleare, cod 135/1992; Pitesti 1992.

**2. E. Sofron(coordonator), I. Gheorghe, I. Lita** s.a.: "Aspecte teoretice si de proiectare pentru controlul fuzzy in domeniul nuclear", Conventie de cercetare cu Institutul de Cercetari Nucleare, cod 146/1993; Pitesti 1993.

**3. E. Sofron (coordonator), I. Lita** s.a.: Contract de cercetare GRANT 5015/1996 cu tema "Modelarea, simularea si implementarea de micro sisteme pentru procesarea determinista si neuro-fuzzy a semnalelor; aplicatii in comunicatii si controlere de proces"; Conventie de cercetare cu CNCSU-MI.

**4. Gh. Serban(coordonator), I. Lita** s.a: Tema 1: "Sistem cu microcontroler pentru achizitie, prelucrare locala si transmitere catre PC a informatiilor de temperatura si de flux neutronic de la 6 ansamble de detectori de neutroni";

Tema 2: "Sistem cu microcontroler pentru achizitie, prelucrare locala si transmitere catre PC a informatiilor de la traductori de pozitie"; contract nr1/98, beneficiar: RAAN Sucursala de Cercetari Nucleare Pitesti;

**5. Gh. Serban(coordonator), I. Lita** s.a: "Sistem cu microcontroller pentru gestionarea semnalelor de la detectorii de radiatii"; contract 2/98, beneficiar: RAAN Sucursala de Cercetari Nucleare Pitesti;

**6. Paul Svasta (director de proiect) Ioan Lita** s.a.: "Educație inovatoare în colegii privind tehnologiile de interconectare prin montarea pe suprafață (SMT) a componentelor electronice" contract nr. 44089 / 16.11.1998 colaborare cu Universitatea "Politehnica" București, Facultatea de Electronică și Telecomunicații, beneficiar CNFIS, cod CNFIS 65;



7. **Ioan Lita (coordonator):** “Elaborarea documentatiei pentru un sistem electronic de protectie si securitate a secretariatului S.C. MOBTAP ALPROM S.A. PITEȘTI” contract nr 01-786/2001, beneficiar: SCMOBTAP SA PITEȘTI.

8. **Ioan Lita (coordonator):**“Elaborarea documentatiei pentru un sistem electronic de masurare a umiditatii intr-o camera de uscare a cherestelei”, contract nr.02-25/2001, beneficiar: SCELMOB S.R.L. PITEȘTI.

9. **Ioan Liță (director de proiect), Emil Sofron, Barbu Gheorghe , Serban Gheorghe, Ionita Silviu, Popa Ilie, Bizon Nicu, Raducu Marian, Bostan Ionel, Deaconu Laurentiu, Smaranda Florin, Daniel Alexandru Vișan, Stirbu Cosmin, Mazare Alin, , Cioc Ion Bogdan, Drila Gherghina, Smaranda Loredana:**

“Analiza, organizarea si îmbunătățirea funcționării rețelei educaționale de calculatoare conectate la Internet”, Contract de cercetare NR 26/26.10.2001, derulat prin progamul național INFOSOC in perioada 2001-2002. Valoare contract: 200.000 RON,

10. **Ducu Catalin (director de proiect), Ioan Liță** sa: “Laborator integrat pentru evaluarea materialelor nucleare”, Contract de cercetare beneficiar SCN Pitesti, derulat prin progamul național MENER 013/2001 in perioada 2001-2004.

11. **Deaconu Laurentiu (director de proiect), Ioan Liță , Emil Sofron,** sa: “Studiu asupra realizarii, implementarii si evaluarii impactului unei retele informatice interbibliotecii in activitatile educationale si de informare-documentare - BIBLIONET”, Contract de cercetare NR 30/07.11.2001 derulat prin progamul național INFOSOC in perioada 2001-2003.

12. **Ducu Catalin (director de proiect), Ioan Liță** sa: “Structuri semiconductoare utilizate pentru detectia activității beta a suprafețelor contaminate cu tritiu”, Contract de cercetare beneficiar INC-DTCI ICSI Rm. Vâlcea, derulat prin progamul național MENER in perioada 2003-2005.

13. **Ducu Catalin (director de proiect), Ioan Liță** sa: “Sistem de securitate radiologica bazat pe monitorarea continua a tritiului in zonele de lucru si in efluenti intr-o instalatie de detritiere”, Contract de cercetare beneficiar INC-DTCI ICSI Rm. Vâlcea, derulat prin progamul național MENER in perioada 2004-2006.

14. **Ștefan-Victor Nicolaescu(director de proiect), M. Jurian, Ioan Lita, D. Visan, B. Cioc, Șt. Oprea:** „ Platformă wireless integrată de acces local pentru bandă largă și mobilitate, cu autoorganizarea resurselor- PABMAR,” contract cercet. Nr. 11-021/ 14.09.2007,CNMP- Parteneriate in domeniile prioritare (PN CDI II), Valoare contract: 1.792.000 lei, <http://89.46.161.13/pabmar/index.html>

15. **Ion Bogdan(director de proiect), M. Jurian, Ioan Lita, D. Visan, B. Cioc, Șt. Oprea:** „ Noi algoritmi pentru antene adaptive/inteligente in sisteme de comunicatii 3G si post-3G – SMANT ” contract cercet. Nr. 11-026/ 18.09.2007 CNMP- Parteneriate in domeniile prioritare (PN CDI II), Valoare contract: 1.820.000 lei

16. **I. Lita (director de proiect), M. Jurian, D. Visan, B. Cioc, Șt. Oprea:** „Radiometre Miniaturale Neutronice/Gamma cu Corp Solid Destinate Radioprotectiei, Monitorizarii Mediului si Combaterii Traficului de Substante Radioactive- RMNGCS” contract cercet. Nr. 71-128/ 14.09.2007 CNMP - Parteneriate in domeniile prioritare (PN CDI II), Valoare contract: 2.000.000 lei, Director de proiect: Ioan Lita, Universitatea din Pitesti (Coordonator),

17. **I. Lita (director de proiect), M. Jurian, D. Visan, B. Cioc, Șt. Oprea:** „Retea virtuala IT-C pentru unitati de invatamant si cercetare dispersate geografic– CERVIT 2008” contract cercet. Nr. 12-

097/2008, CNMP- Parteneriate in domeniile prioritare (PN CDI II), Valoare contract: 1.950.000 lei, Ioan Lita (Responsabil Upit),

**18. Jurian M (director/responsabil), Ioan Lita, Ștefan-Victor Nicolaescu, Ion Bogdan (UTI), Daniel Alexandru Visan, Ion Bogdan Cioc** ”Comunicații prin sisteme de sateliți artificiali fixe și/sau mobili” – COMSAT, perioada de derulare: 2008-2009, Contract incheiat cu Ministerul Comunicatiilor si Societatii Informatinale,:

**19. Jurian Mariana (director/responsabil), Ioan Lită Serban Gheorghe, Barbu Gheorghe, Sofron Emil, Vișan Daniel, Cioc Bogdan, Oprea Stefan, Iana Gabriel, Laurentiu Ionescu, Raducu Marian, Teoderescu Mihaela, Logica Banica, Georgescu Cristian, Dinu Tamara** ”Studiul privind folosirea rețelilor de sateliți pentru comunicații mobile – SATCOM”, perioada de derulare: 05/05/2008-05/07/2009, Contract incheiat cu Ministerul Comunicatiilor si Societatii Informatinale, Contract nr. 20-1/2008.

**20. Jurian M, (director/responsabil), Ștefan-Victor Nicolaescu (INSCC), Ioan Lită, Ion Bogdan (UTI), Serban Gheorghe, Barbu Gheorghe, Popa Ilie, Vișan Daniel, Cioc Bogdan, Oprea Stefan, Iana Gabriel, Laurentiu Ionescu, Bostan Ionel, Teoderescu Mihaela, Logica Banica, Mazare Alin** ”Impactul noilor tehnologii din domeniul wireless asupra structurii și evoluției Tabelului Național de Atribuire a Benzilor de frecvență – TNABF”, perioada de derulare: 16/05/2008- 16/08/2009, Valoare 358.000 lei RON, Contract incheiat cu Ministerul Comunicatiilor si Societatii Informatinale, contractul nr.21-1/16.05.2008.

**21. D. Scheianu (director/responsabil) responsabil), M. Raducu, Ioan Lita, , Emil Sofron, Nicu Bizon, Mihai Oproescu .** „Tehnologii pe bază de materiale nanostructurate pentru condensatori electrochimici cu strat dublu utilizabili la stocarea energiei electrice - TEHNANOCONEL”; Contract (cu AMCSIT) nr. 310/13.09.2006. MEC- PNCDI - AMTRANS, 2006-2008. Valoare : 105000 RON

**22. Adrian Zafiu (director/responsabil), Ilie Popa, Ioan Lita, Alexandru Ene, Marian Raducu, Petre Anghelescu, Valeru Ionescu, Constantin Ghită,** "Sistem Interactiv pentru Monitorizarea si Optimizarea Traficului Rutier - OPTIMTRAF"; CEEX 2007, 2007-2010 (36 luni); Valoare: 2.000.000 din care, 140.000 UPit Contract nr. 1396, CEEX 2007, Tipul proiectului PC, 2007-2010

**23. Ilie Popa (director/responsabil), Silviu Ionita, Ioan Lita, Constantin Stanescu, Dumitru Cazacu, Adrian Zafiu, Alin Berechet,** “Controlul si integrarea tehnologica a materialelor si structurilor inteligente”, (CITMSI); Contract Nr. 259/11.09.2006, Valoare totala: 1.593.290RON, din care 80.000RON UPit, CEEX 2007

**24. Laurentiu Ionescu (director/responsabil), Alin Mazare, Ioan Lita, Gh. Serban s.a.** „Optimizarea costurilor la colectarea datelor de la contoarele inteligente si metode de imbunatatire a profitului la transportul energiei electrice” Contract de finantare nr.79/2016 inregistrat la UPIT cu nr. 5869/13.05.2016 si la UEFISCDI cu nr. PN3-P3-82/18.05.2016 in cadrul programului PN III - Orizont 2020, tip proiect ERANET SMARTGRID Plus Cofund-77594-CARA SG-2. nr.79/2016

Declar pe propria răspundere că datele prezentate se referă la propriile activități și realizări.