

## INFORMAȚII PERSONALE **Florin SANDU**

✉ sandu@unitbv.ro

### LOCUL DE MUNCA POZIȚIA IOSUD UTBV

Universitatea Transilvania din Brașov  
Conducător de doctorat -Domeniul Electronică, Telecomunicații și Tehnologii Informaționale  
Anul obținerii dreptului de conducere doctorat: 2010

### DOMENII DE COMPETENȚĂ PROFESIONALĂ / ARII DE INTERES ÎN CERCETARE

Procesarea digitală a semnalelor, sisteme de achiziții de date, instrumentație virtuală, comunicații digitale, rețele inteligente

## EXPERIENȚA PROFESIONALĂ

- 1991-prezent Asistent, Șef de lucrări, Conferențiar, Profesor**  
Universitatea Transilvania din Brașov, Bd. Eroilor 29, 500036 Brașov, [www.unitbv.ro](http://www.unitbv.ro)  
Activități educaționale și de cercetare  
**Tipul sau sectorul de activitate:** Didactic și de cercetare
- 1989-1991 Inginer**  
Întreprinderea de Întreținere și Reparare a Utilajului de Calcul și de Electronică Profesională  
București - Zona Transilvania-Sud  
Activități de depanare, cercetare și proiectare  
**Tipul sau sectorul de activitate:** Cercetare și proiectare
- 1988-1989 Inginer**  
Universitatea Transilvania din Brașov, Bd. Eroilor 29, 500036 Brașov, [www.unitbv.ro](http://www.unitbv.ro)  
Asistență tehnică și cercetare în colectivul „Karl Zeiss”  
**Tipul sau sectorul de activitate:** Cercetare
- 1984-1988 Inginer**  
Întreprinderea de Construcții Aeronautice Ghimbav-Brașov  
Tehnologii și proiecte în domeniul echipamentelor de comunicații și de navigație la bordul elicopterelor  
**Tipul sau sectorul de activitate:** Tehnologic și de proiectare

## EDUCAȚIE ȘI FORMARE

- 1992-1998 Doctorat** Scrieți nivelul EQF, dacă îl cunoașteți  
Universitatea Transilvania din Brașov  
Pregătire postuniversitară prin doctorat , finalizată cu diploma de doctor în științe tehnice, specialitatea Măsurări electrice
- 1979-1984 Inginer** Scrieți nivelul EQF, dacă îl cunoașteți  
Institutul Politehnic București (Universitatea “Politehnica” București) , specializarea Electronică și Telecomunicații  
Pregătire universitară de lungă durată, specializarea Electronică și Telecomunicații.

## COMPETENTE PERSONALE

Limba( maternă română

## Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleză	C1	C1	C1	C1	C1
Germană	B1	B1	B2	B1	B1
Franceză	C2	C2	C2	C2	B1

Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2: Utilizator experimentat  
Cadru european comun de referință pentru limbi străine

## Competențe de comunicare

- Seriozitate în abordarea problemelor: experiențele de lucru în colectivele proiectelor m-au determinat la o atitudine apreciată de parteneri
- Spirit de echipă: angajare în activități didactice și de cercetare derulate în echipă, atitudine creativă în abordarea problemelor
- Abilități de mediere: atitudine pozitivă și activă, aspecte de dialog intra- și inter-cultural, chiar inter-generații, determinate de experiența ca membru al echipelor de lucru, coordonator de programe de studii și de proiecte

## Competențe dobândite la locul de muncă

Competențe în procesarea digitală a semnalelor, sisteme de achiziții de date, instrumentație virtuală, comunicații digitale, rețele inteligente – dezvoltate în activitățile în cercetare și în învățământ și validate de lucrările publicate.

## Competențe informatice

Competențe în configurarea calculatoarelor PC, integrarea IP a rețelilor de calculatoare și comunicații, utilizarea aplicațiilor Microsoft, National Instruments, MathCAD și OrCAD

## Alte competențe

Competențe didactice acumulate prin cursuri și specializări postuniversitare și dovedite prin publicații.

## Competențe organizaționale/manageriale

Proiectele naționale și internaționale, didactice și de cercetare.

Dezvoltarea programelor de studii ale facultății:

- coordonatorul programului de studii de licență Tehnologii și Sisteme de Telecomunicații (din 2008)
- coordonatorul trunchiului didactic Electronică, Telecomunicații și Calculatoare (2010-2012)
- membru în Consiliul Facultății de Inginerie Electrică și Știința Calculatoarelor (2009-2012)
- membru în Senatul Universității Transilvania (și secretar al Comisiei pentru Asigurarea Calității)
- șeful laboratoarelor "Sisteme de Comutație pentru Comunicații" (cu dotare modernă, dezvoltată în parteneriat cu firma Siemens) și „Comunicații Industriale” (accesibil prin Internet)

Coordonarea colectivului "Rețele Inteligente de Comunicații" în cadrul Centrului de cercetare C13 – "Sisteme Electronice Încorporate și Comunicații Avansate" din Institutul de cercetare PRO-DD al Universității „Transilvania”, din Brașov.

## INFORMAȚII SUPLIMENTARE- ACTIVITATE ȘTIINȚIFICĂ

### TEZE DE DOCTORAT COORDONATE ȘI SUSȚINUTE PUBLIC

"Soluții pentru Calcul Mobil în Rețele Eterogene" - Titus-Constantin BĂLAN – 2011

"Contribuții la Controlul m-Business al Comunicațiilor Om-Mașină" - Alexandru Nicolae BALICA – 2014

"Integrarea Orientată pe Servicii a Arhitecturilor Hardware Reconfigurabile" - Octavian Mihai MACHIDON – 2015

"Contribuții la Managementul Rețelelor Definite Software" - Cosmin COSTACHE – 2015

"Contribuții la Dezvoltarea Serviciilor în Internetul Obiectelor" – Sorin ZAMFIR – 2017

### INDICI HIRSCH

[Hindex ISI] = [3] ; [Hindex Scopus] = [5] ; [Hindex Google Scholar] = [8]

### MONOGRAFII (opera omnia)

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3 Capitoare în monografii publicate în edituri internaționale recunoscute pentru întreaga activitate (2010-2011)

8 Monografii, tratate publicate în edituri naționale recunoscute pentru întreaga activitate (1999-2016)

[coautor] Integrarea Sistemelor de Calcul și Telecomunicații – Ed. Universității "Transilvania" din Brașov, ISBN 978-605-19-0609-3, 2015

[coautor] Rețele Inteligente de Telecomunicații – Ed. Universității "Transilvania" din Brașov, ISBN 978-606-19-0820-2, 2016

### CONTRACTE DE CERCETARE (opera omnia)

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- "4WARD" - Architecture and Design for the Future Internet – Program FP7-ICT-2007-1 – *Responsabil Partener*
- LEONARDO DA VINCI: „VIRTUAL ELECTRO-LAB” Nr. RO/2001/PP-141024 – *Membru în echipa de management*
- Minerva-"IDENTITY", "Individualized Learning Enhanced by Virtual Reality" - *Membru în echipa de proiect*
- VET-TREND - Retea Transnatională - Leonardo da Vinci - "Valorisation of an Experiment-based Training System through a Transnational Educational Network Development", RO/06 / B / F / NT175014 – *Director tehnic*
- "NOT Alone at Home – NOAH" - PNCD III \_Cooperare Europeană și Internațională \_AAL , 2016-2018 - *Membru în echipa de proiect*
- "Navi-Eyes" - Intelligent car navigation assistant for mobile devices based on eye gaze tracking and head pose – 2014-2016 - UEFISCDI - PN-II - *Membru în echipa de proiect*
- "Energy efficiency Management for Vehicles and Machines – EMVeM" – programul U.E. "Marie Curie", 2013-2016 - *Membru în echipa de proiect*
- Participarea la Proiectul PN-III-P2-2.1-PTE-2016-0064 "CON-INTEL - Masurarea consolidată și transmiterea parametrilor energetici spre punctele de colectare" - Finanțat de UEFISCDI - Program PNCDI III – Subprogramul " Creșterea competitivității economiei românești prin cercetare, dezvoltare și inovare – Transfer la operatorul economic" - *Membru în echipa de proiect*

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**ARTICOLE ISI (în ultimii 5 ani)**

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## Record 1 of 32

Title: SDR Implementation of a D2D Security Cryptographic Mechanism

Author(s): Balan, TN (Balan, Titus N.); Balan, AC (Balan, Alexandra C.); Sandu, FD (Sandu, Florin D.)

Source: IEEE ACCESS Volume: 7 Pages: 38847-38855 DOI: 10.1109/ACCESS.2019.2904909 Published: 2019

Accession Number: WOS:000463938300001

ISSN: 2169-3536

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Record 2 of 32

Title: Home Assisted Living of Elderly People using Wireless Sensors Networks in a Cloud System

Author(s): Moraru, SA (Moraru, Sorin-Aurel); Perniu, L (Perniu, Liviu); Ungureanu, DE (Ungureanu, Delia Elisabeta); Mosoi, AA (Mosoi, Adrian Alexandru);

Kristaly, DM (Kristaly, Dominic Mircea); Sandu, F (Sandu, Florin); Manea, AC (Manea, Adrian

Constantin) Book Group Author(s): IEEE

Source: 2018 INTERNATIONAL SYMPOSIUM IN SENSING AND INSTRUMENTATION IN IOT ERA (ISSI) Published: 2018

Accession Number: WOS:000455007000035

Conference Title: International Symposium in Sensing and Instrumentation in IoT Era (ISSI)

Conference Date: SEP 06-07, 2018

Conference Location: Shanghai, PEOPLES R CHINA

ISBN: 978-1-5386-5638-9

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Record 3 of 32

Title: Communication Solutions for Power Measurement in the Cloud

Author(s): Fernoaga, V (Fernoaga, Vlad); Stelea, GA (Stelea, George-Alex); Robu, D (Robu, Dan); Sandu, F (Sandu, Florin)

Book Group Author(s): IEEE

Source: 2018 12TH INTERNATIONAL CONFERENCE ON COMMUNICATIONS (COMM) Book Series: IEEE International Conference on Communications Pages:

397-402 Published: 2018

Accession Number: WOS:000449526000075

Conference Title: 12th IEEE International Conference on Communications (COMM)

Conference Date: JUN 14-16, 2018

Conference Location: Bucharest, ROMANIA

Conference Sponsors: Mil Tech Acad Ferdinand I, Politehnica Univ Bucharest, Electronica Fdn, Orange, RomTek Elect, HUAWEI, MarcTel, T, C4 SYS, TERRASIGNA, Tellence, ROMKATEL, ROHDE&amp;SCHWARZ, HV Optoelectronica, Interact Syst Engn, Beia, IEEE

ISSN: 1550-3607

ISBN: 978-1-5386-2350-3

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Record 4 of 32

Title: Tele-measurement with Virtual Instrumentation using Web-Services

Author(s): Robu, DN (Robu, Dan Nicolae); Fernoaga, VP (Fernoaga, Vlad Paul); Stelea, GA (Stelea, George-Alex); Sandu, F (Sandu, Florin)

Book Group Author(s): IEEE

Source: 2017 IEEE 23RD INTERNATIONAL SYMPOSIUM FOR DESIGN AND TECHNOLOGY IN ELECTRONIC PACKAGING (SIITME) Book Series: International

Symposium for Design and Technology in Electronic Packaging Pages: 387-394 Published: 2017

Accession Number: WOS:000428032300083

Conference Title: 23rd IEEE International Symposium for Design and Technology in Electronic Packaging (SIITME)

Conference Date: OCT 26-29, 2017

Conference Location: Constanta, ROMANIA

Conference Sponsors: IEEE, IEEE CPMT Hu&amp;Ro Joint Chapter, CETTI, IEEE Romania Sect, Politehnica Univ Bucharest

ISSN: 2641-287X

ISBN: 978-1-5386-1626-0

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Record 5 of 32

Title: Reconfigurable platform for embedded systems teaching

Author(s): Stanciu, A (Stanciu, Alexandra); Balan, T (Balan, Titus); Sandu, F (Sandu, Florin); Gerigan, C (Gerigan, Carmen)

Book Group Author(s): IEEE

Source: 2017 IEEE 23RD INTERNATIONAL SYMPOSIUM FOR DESIGN AND TECHNOLOGY IN ELECTRONIC PACKAGING (SIITME) Book Series: International

Symposium for Design and Technology in Electronic Packaging Pages: 455-458 Published: 2017

Accession Number: WOS:000428032300097

Conference Title: 23rd IEEE International Symposium for Design and Technology in Electronic Packaging (SIITME)

Conference Date: OCT 26-29, 2017

Conference Location: Constanta, ROMANIA

Conference Sponsors: IEEE, IEEE CPMT Hu&Ro Joint Chapter, CETTI, IEEE Romania Sect, Politehnica Univ Bucharest

ISSN: 2641-287X

ISBN: 978-1-5386-1626-0

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## Record 6 of 32

Title: Integrating wireless sensors into cloud systems for ambient assisted living

Author(s): Moraru, SA (Moraru, Sorin-Aurel); Perniu, L (Perniu, Liviu); Kristaly, DM (Kristaly, Dominic Mircea); Ungureanu, DA (Ungureanu, Delia A.); Sandu, F

(Sandu, Florin); Mosoi, AA (Mosoi, Adrian A.)

Book Group Author(s): IEEE

Source: 2017 25TH MEDITERRANEAN CONFERENCE ON CONTROL AND AUTOMATION (MED) Book Series: Mediterranean Conference on Control and Automation Pages: 1106-1112 Published: 2017

Accession Number: WOS:000426926300181

Conference Title: 25th Mediterranean Conference on Control and Automation (MED)

Conference Date: JUL 03-06, 2017

Conference Location: Univ Malta, Valletta Campus, Valletta, MALTA

Conference Sponsors: Mediterranean Control Assoc, IEEE Control Syst Soc, IEEE, IEEE Robot &

Automat Soc Conference Host: Univ Malta, Valletta Campus Author Identifiers:

ISSN: 2325-369X

ISBN: 978-1-5090-4533-4

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## Record 7 of 32

Title: A Digital Control Mechanism for the Delay of a Dual-Microphone Analog Beamformer

Author(s): Farago, P (Farago, Paul); Hintea, S (Hintea, Sorin); Sandu, F (Sandu, Florin)

Book Group Author(s): IEEE

Source: 2017 INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT (OPTIM) & 2017 INTL AEGEAN CONFERENCE

ON ELECTRICAL MACHINES AND POWER ELECTRONICS (ACEMP) Pages: 797-802 Published: 2017

Accession Number: WOS:000426909600122

Conference Title: International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) / Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP) Conference Date: MAY 25-27, 2017

Conference Location: Transilvania Univ Brasov, Brasov, ROMANIA

Conference Sponsors: Univ Politehnica Timisoara, Tech Univ Cluj Napoca, Middle E Tech Univ Ankara, Inst Elec & Elect Engineers, IEEE Ind Elect Soc, IEEE Ind

Applicat Soc, IEEE Power Elect Soc, Inst Elect Engineers Japan, Korean Inst

Power Elect Conference Host: Transilvania Univ Brasov Author Identifiers:

ISBN: 978-1-5090-4489-4

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## Record 8 of 32

Title: Peer Control Solutions for Improving LTE Access Networks

Author(s): Curpen, R (Curpen, Radu); Robu, DN (Robu, Dan-Nicolae); Sandu, F (Sandu, Florin); Amarandei, A (Amarandei, Alina)

Book Group Author(s): IEEE

Source: 2017 INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT (OPTIM) & 2017 INTL AEGEAN CONFERENCE

ON ELECTRICAL MACHINES AND POWER ELECTRONICS (ACEMP) Pages: 947-952 Published: 2017

Accession Number: WOS:000426909600147

Conference Title: International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) / Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP) Conference Date: MAY 25-27, 2017

Conference Location: Transilvania Univ Brasov, Brasov, ROMANIA

Conference Sponsors: Univ Politehnica Timisoara, Tech Univ Cluj Napoca, Middle E Tech Univ Ankara, Inst Elec & Elect Engineers, IEEE Ind Elect Soc, IEEE Ind

Applicat Soc, IEEE Power Elect Soc, Inst Elect Engineers Japan, Korean Inst

Power Elect Conference Host: Transilvania Univ Brasov Author Identifiers:

ISBN: 978-1-5090-4489-4

## Record 9 of 32

Title: Bandwidth Usage Management for HbbTV Streaming Services based on User Behavior

Author(s): Gavrilă, C (Gavrilă, Cristinel); Csaba-Zoltan, K (Csaba-Zoltan, Kertesz); Popescu, V (Popescu, Vlad); Sandu, F (Sandu, Florin)

Book Group Author(s): IEEE

Source: 2017 IEEE INTERNATIONAL SYMPOSIUM ON BROADBAND MULTIMEDIA SYSTEMS AND BROADCASTING (BMSB) Book Series: IEEE International

Symposium on Broadband Multimedia Systems and Broadcasting Pages: 333-337 Published: 2017

Accession Number: WOS:000414279400063

Conference Title: 12th IEEE International Symposium on Broadband Multimedia Systems and Broadcasting (BMSB)

Conference Date: JUN 07-09, 2017

Conference Location: Cagliari, ITALY

Conference Sponsors:

IEEE Author Identifiers:

ISSN: 2155-5044

ISBN: 978-1-5090-4937-0

## Record 10 of 32

Title: SDR-assisted device-to-device communication in radio-congested environments

Author(s): Robu, D (Robu, Dan); Balan, T (Balan, Titus); Stanciu, A (Stanciu, Alexandra); Sandu, F (Sandu, Florin)

Book Group Author(s): IEEE

Source: 2017 IEEE INTERNATIONAL SYMPOSIUM ON BROADBAND MULTIMEDIA SYSTEMS AND BROADCASTING (BMSB) Book Series: IEEE International

Symposium on Broadband Multimedia Systems and Broadcasting Pages: 344-350 Published: 2017

Accession Number: WOS:000414279400065

Conference Title: 12th IEEE International Symposium on Broadband Multimedia Systems and Broadcasting (BMSB)

Conference Date: JUN 07-09, 2017

Conference Location: Cagliari, ITALY

Conference Sponsors: IEEE

ISSN: 2155-5044

ISBN: 978-1-5090-4937-0

## Record 11 of 32

Title: Multihoming for Mobile Internet of Multimedia Things

Author(s): Balan, T (Balan, Titus); Robu, D (Robu, Dan); Sandu, F (Sandu, Florin)

Source: MOBILE INFORMATION SYSTEMS Article Number: 6965028 DOI: 10.1155/2017/6965028 Published: 2017

Accession Number:

WOS:000412174200001 ISSN:

1574-017X eISSN: 1875-905X

## Record 12 of 32

Title: Student Active Participation in the Study of the Light Bulbs

Author(s): Ogrutan, P (Ogrutan, Petre); Aciu, LE (Aciu, Lia Elena); Sandu, F (Sandu, Florin); Gerigan, C (Gerigan, Carmen)

Source: TEM JOURNAL-TECHNOLOGY EDUCATION MANAGEMENT INFORMATICS Volume: 5 Issue: 4 Pages: 424-434 DOI: 10.18421/TEM54-03

Published: NOV

2016

Accession Number:

WOS:000388854000003 ISSN:

2217-8309 eISSN: 2217-8333

## Record 13 of 32

Title: LISP Optimisation of Mobile Data Streaming in Connected Societies

Author(s): Balan, T (Balan, T.); Robu, D (Robu, D.); Sandu, F (Sandu, F.)

Source: MOBILE INFORMATION SYSTEMS Article Number: 9597579 DOI: 10.1155/2016/9597579

Published: 2016 Accession Number: WOS:000391619100001 Author Identifiers:

ISSN: 1574-

017X eISSN:

1875-905X

## Record 14 of 32

Title: A Security Analysis on Standard IoT Protocols

Author(s): Zamfir, S (Zamfir, S.); Balan, T (Balan, T.); Iliescu, I (Iliescu, I.); Sandu, F (Sandu, F.)

Book Group Author(s): IEEE

Source: 2016 INTERNATIONAL CONFERENCE ON APPLIED AND THEORETICAL ELECTRICITY (ICATE) Book Series: International Conference on Applied and

Theoretical Electricity Published: 2016

Accession Number: WOS:000390767500064

Conference Title: International Conference on Applied and Theoretical Electricity (ICATE)

Conference Date: OCT 06-08, 2016

Conference Location: Craiova, ROMANIA

Conference Sponsors: Univ Craiova, Fac Elect Engrn, Inst Elect & Elect Engineers USA, IEEE Romanian Sect CS Chapter, IEEE Romanian Sect EMB Chapter, IEEE Romanian Sect EMC Chapter, Minist Natl Educ & Res, Assoc Support Engrn Educ, IEEE Author Identifiers:

ISSN: 2376-4163

ISBN: 978-1-4673-8562-6

## Record 15 of 32

Title: Mobile Communication Solutions for the Services in the Internet of Things

Author(s): Zamfir, S (Zamfir, Sorin); Balan, T (Balan, Titus); Sandu, F (Sandu, Florin); Costache, C (Costache, Cosmin)

Edited by: Borangiu T; Dragoicea M; Novoa H

Source: EXPLORING SERVICES SCIENCE (IESS 2016) Book Series: Lecture Notes in Business Information Processing Volume: 247 Pages: 619-632 DOI: 10.1007/978-3-319-32689-4\_47 Published: 2016

Accession Number: WOS:000386914200047

Conference Title: 7th International Workshop on Exploring Service Science (IESS)

Conference Date: MAY 25-27, 2016

Conference Location: Bucharest, ROMANIA

Conference Sponsors: Univ Politehnica Bucharest, Fac Automat Control & Comp Sci, CIMR Res Ctr, Int Soc Serv Innovat Profess, Luxembourg Inst Sci & Technol, Romanian Acad Sci, IBM Romania Author Identifiers:

ISSN: 1865-1348

ISBN: 978-3-319-32689-4; 978-3-319-32688-7

## Record 16 of 32

Title: Solutions for Deep Packet Inspection in Industrial Communications

Author(s): Zamfir, S (Zamfir, S.); Balan, T (Balan, T.); Sandu, F (Sandu, F.); Costache, C (Costache, C.)

Book Group Author(s): IEEE

Source: 2016 INTERNATIONAL CONFERENCE ON COMMUNICATIONS (COMM 2016) Book Series: International Conference on Communications (ICC)

Pages:

153-158 Published: 2016

Accession Number: WOS:000383221900033

Conference Title: IEEE 11th International Conference on Communications (COMM)

Conference Date: JUN 09-11, 2016

Conference Location: Bucharest, ROMANIA

Conference Sponsors: Mil Tech Acad, Politehnica Univ Bucharest, IEEE

Author Identifiers:

ISBN: 978-1-4673-8197-0

## Record 17 of 32

Title: Contributions to Content-based Software Defined Networks

Author(s): Balan, T (Balan, T.); Zamfir, S (Zamfir, S.); Robu, D (Robu, D.); Sandu, F (Sandu, F.)

Book Group Author(s): IEEE

Source: 2016 INTERNATIONAL CONFERENCE ON COMMUNICATIONS (COMM 2016) Book Series: International Conference on Communications (ICC)

Pages:

159-162 Published: 2016

Accession Number: WOS:000383221900034

Conference Title: IEEE 11th International Conference on Communications (COMM)

Conference Date: JUN 09-11, 2016

Conference Location: Bucharest, ROMANIA

Conference Sponsors: Mil Tech Acad, Politehnica Univ Bucharest, IEEE

Author Identifiers:

ISBN: 978-1-4673-8197-0

## Record 18 of 32

Title: A Framework for Hardware-Accelerated Services Using Partially Reconfigurable SoCs

Author(s): Machidon, OM (Machidon, Octavian Mihai); Hintea, S (Hintea, Sorin); Sandu, F (Sandu, Florin)

Source: ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 16 Issue: 2 Pages: 57-62 DOI: 10.4316/AECE.2016.02008

Published: 2016 Accession Number: WOS:000376996100008 Author Identifiers:

ISSN: 1582-

7445 eISSN:

1844-7600

## Record 19 of 32

Title: Using Students Own Mobile Phones in Teaching Wireless Programming Techniques Laboratory

Author(s): Ogrutan, P (Ogrutan, Petre); Sandu, F (Sandu, Florin); Gerigan, C (Gerigan, Carmen)

Source: INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION Volume: 32 Issue: 2 Pages: 841-848 Part: A

Published: 2016 Accession Number: WOS:000374235000022 Author Identifiers:

ISSN: 0949-149X

## Record 20 of 32

Title: RECONFIGURABLE CELLULAR HARDWARE FOR COMMUNICATIONS AN EDUCATIONAL PLATFORM DRIVEN BY VIRTUAL INSTRUMENTATION

Author(s): Chitic, M (Chitic, Mihail); Machidon, OM (Machidon, Octavian Mihai); Sandu, F (Sandu, Florin)

Edited by: Roceanu I; Moldoveanu F; TrausanMatu S; Barbieru D; Beligan D; Ionita A

Source: RETHINKING EDUCATION BY LEVERAGING THE ELEARNING PILLAR OF THE DIGITAL AGENDA FOR EUROPE!, VOL. I Book Series: eLearning and Software for Education Pages: 239-244 DOI: 10.12753/2066-026X-15-035 Published: 2015

Accession Number: WOS:000384469000035

Conference Title: 11th International Scientific Conference on eLearning and Software for Education (eLSE)

Conference Date: APR 23-24, 2015



Conference Location: Bucharest,  
ROMANIA Author Identifiers:  
ISSN: 2066-026X

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## Record 21 of 32

Title: Ad-hoc Lab Computer Network Configuration using Remote Resources  
Author(s): Balan, TC (Balan, T. C.); Robu, DN (Robu, D. N.); Sandu, F (Sandu, F.)  
Book Group Author(s): IEEE  
Source: 2015 IEEE 21ST INTERNATIONAL SYMPOSIUM FOR DESIGN AND TECHNOLOGY IN ELECTRONIC PACKAGING (SIITME) Book Series: International Symposium for Design and Technology in Electronic Packaging Pages: 393-396 Published: 2015  
Accession Number: WOS:000377765500072  
Conference Title: 21st IEEE International Symposium for Design and Technology in Electronic Packaging (SIITME)  
Conference Date: OCT 22-25, 2015  
Conference Location: Brasov, ROMANIA  
Conference Sponsors: IEEE, IEEE CPMT Hu & RO Joint Chapter, Univ Politehnica Din Bucuresti, CETTI, IEEE Romania Sect  
Author Identifiers:  
ISSN: 2641-287X  
ISBN: 978-1-5090-0332-7

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## Record 22 of 32

Title: Semantic Data Aggregation in Heterogeneous Learning Environments  
Author(s): Sandu, F (Sandu, F.); Costache, C (Costache, C.); Balan, T (Balan, T.)  
Book Group Author(s): IEEE  
Source: 2015 IEEE 21ST INTERNATIONAL SYMPOSIUM FOR DESIGN AND TECHNOLOGY IN ELECTRONIC PACKAGING (SIITME) Book Series: International Symposium for Design and Technology in Electronic Packaging Pages: 409-412 Published: 2015  
Accession Number: WOS:000377765500075  
Conference Title: 21st IEEE International Symposium for Design and Technology in Electronic Packaging (SIITME)  
Conference Date: OCT 22-25, 2015  
Conference Location: Brasov, ROMANIA  
Conference Sponsors: IEEE, IEEE CPMT Hu & RO Joint Chapter, Univ Politehnica Din Bucuresti, CETTI, IEEE Romania Sect  
Author Identifiers:  
ISSN: 2641-287X  
ISBN: 978-1-5090-0332-7

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## Record 23 of 32

Title: Business Integration of Industrial Communications with Cloud Computing  
Author(s): Costache, C (Costache, Cosmin); Sandu, F (Sandu, Florin); Balan, T (Balan, Titus); Nedelcu, A (Nedelcu, Adrian); Covei, A (Covei, Alexandru)  
Book Group Author(s): IEEE  
Source: 2014 10TH INTERNATIONAL CONFERENCE ON COMMUNICATIONS (COMM) Published: 2014  
Accession Number: WOS:000345844600108  
Conference Title: 10th International Conference on Communications (COMM)  
Conference Date: MAY 29-31, 2014  
Conference Location: Bucharest, ROMANIA  
Conference Sponsors: Politehnica Univ Bucharest, Orange, Ericsson, Huawei, Romkatel, IDQ, ITBS, Technol Excellence, Pro Optica, Kapsch, Commun Test Syst, Electronica 2000 Fdn, Acad Stiinte Tehnice, Mil Tech Acad Author Identifiers:  
ISBN: 978-1-4799-2385-4

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## Record 24 of 32

Title: Demonstrator for Voice Communication over LTE  
Author(s): Curpen, R (Curpen, Radu); Balan, T (Balan, Titus); Sandu, F (Sandu, Florin); Costache, C (Costache, Cosmin); Cerchez, C (Cerchez, Calin)  
Book Group Author(s): IEEE  
Source: 2014 10TH INTERNATIONAL CONFERENCE ON COMMUNICATIONS (COMM) Published: 2014  
Accession Number: WOS:000345844600107  
Conference Title: 10th International Conference on Communications (COMM)  
Conference Date: MAY 29-31, 2014  
Conference Location: Bucharest, ROMANIA

Conference Sponsors: Politehnica Univ Bucharest, Orange, Ericsson, Huawei, Romkatel, IDQ, ITBS, Technol Excellence, Pro Optica, Kapsch, Commun Test Syst, Electronica 2000 Fdn, Acad Stiinte Tehnice, Mil Tech Acad  
Author Identifiers:  
ISBN: 978-1-4799-2385-4

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## Record 25 of 32

Title: Remote SoC/FPGA Platform Configuration for Cloud Applications

Author(s): Machidon, O (Machidon, Octavian); Sandu, F (Sandu, Florin); Zaharia, C (Zaharia, Corneliu); Cotfas, P (Cotfas, Petru); Cotfas, D (Cotfas, Daniel)

Book Group Author(s): IEEE

Source: 2014 INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT (OPTIM) Pages: 827-832 Published: 2014 Accession Number: WOS:000343551300121

Conference Title: International Conference on Optimization of Electrical and Electronic Equipment (OPTIM)

Conference Date: MAY 22-24, 2014

Conference Location: ROMANIA

Conference Sponsors: IEEE Ind Elect Soc, IEEE Ind Applicat Soc, IEEE Power Elect Soc, Transilvania Univ Brasov

Author Identifiers:

ISBN: 978-1-4799-5183-3

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## Record 26 of 32

Title: Social Networking of Instrumentation - a Case Study in Telematics

Author(s): Robu, D (Robu, Dan); Sandu, F (Sandu, Florin); Petreus, D (Petreus, Dorin); Nedelcu, A (Nedelcu, Adrian); Balica, A (Balica, Alexandru)

Source: ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING Volume: 14 Issue: 2 Pages: 153-160 DOI: 10.4316/AECE.2014.02024

Published: 2014 Accession Number: WOS:000340868100024 Author Identifiers:

ISSN: 1582-

7445 eISSN:

1844-7600

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## Record 27 of 32

Title: Evaluating the Energy Overhead Generated by Interferences within the 2.4 GHz Band for a Hybrid RFID Network

Author(s): Nedelcu, AV (Nedelcu, Adrian-Valentin); Duguleana, M (Duguleana, Mihai); Sandu, F (Sandu, Florin)

Edited by: Katalinic B

Source: 24TH DAAAM INTERNATIONAL SYMPOSIUM ON INTELLIGENT MANUFACTURING AND AUTOMATION, 2013 Book Series: Procedia Engineering Volume:

69 Pages: 210-215 DOI: 10.1016/j.proeng.2014.02.223 Published: 2014

Accession Number: WOS:000335859300028

Conference Title: 24th DAAAM International Symposium on Intelligent Manufacturing and Automation

Conference Date: OCT 23-26, 2013

Conference Location: Univ Zadar, Zadar, CROATIA

Conference Sponsors: DAAAM Int Assoc, Int Acad Engn, Vienna Univ Technol, Austrian Soc Engineers & Architects, Vienna Univ Appl Sci Technikum, DAAAM,

Danube Rectors Conf, DAAAM, Rectors & Presidents Honor Comm

Conference Host: Univ

Zadar Author Identifiers:

ISSN: 1877-7058

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## Record 28 of 32

Title: Pattern Encryption with Cellular Automata - a LabVIEW implementation on FPGA

Author(s): Chitic, M (Chitic, Mihail); Machidon, O (Machidon, Octavian); Sandu, F (Sandu, Florin); Balan, T (Balan, Titus); Machedon-Pisu, M (Machedon-Pisu, Mihai)

Book Group Author(s): IEEE

Source: 2014 ROEDUNET CONFERENCE 13TH EDITION: NETWORKING IN EDUCATION AND RESEARCH JOINT EVENT RENAM 8TH CONFERENCE Book Series:

RoEduNet International Conference Published: 2014

Accession Number: WOS:000374588700004

Conference Title: Joint Event of the RENAM 8th Conference / RoEduNet 13th Conference

Conference Date: SEP 11-13, 2014

Conference Location: Chisinau, MOLDOVA

Conference Sponsors: RENAM, RoEduNet, Agentia Administrare Retelei Nationale Informatica Educatie Cercetare

Author Identifiers:

ISSN: 2068-1038

ISBN: 978-1-4799-6860-2

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Record 29 of 32

Title: So ware-Defined Networking of Linux Containers

Author(s): Costache, C (Costache, Cosmin); Machidon, O (Machidon, Octavian); Mladin, A (Mladin, Adrian); Sandu, F (Sandu, Florin); Bocu, R (Bocu, Razvan)

Book Group Author(s): IEEE

Source: 2014 ROEDUNET CONFERENCE 13TH EDITION: NETWORKING IN EDUCATION AND RESEARCH JOINT EVENT RENAM 8TH CONFERENCE Book Series:

RoEduNet International Conference Published: 2014

Accession Number: WOS:000374588700018

Conference Title: Joint Event of the RENAM 8th Conference / RoEduNet 13th Conference

Conference Date: SEP 11-13, 2014

Conference Location: Chisinau, MOLDOVA

Conference Sponsors: RENAM, RoEduNet, Agentia Administrare Retelei Nationale Informatica Educatie Cercetare

Author Identifiers:

ISSN: 2068-1038

ISBN: 978-1-4799-6860-2

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Record 30 of 32

Title: RSSI-based Electromagnetic Propagation in Industrial Environments

Author(s): Machedon-Pisu, M (Machedon-Pisu, Mihai); Morariu, G (Morariu, Gheorghe); Sandu, F (Sandu, Florin)

Book Group Author(s): IEEE

Source: 2014 ROEDUNET CONFERENCE 13TH EDITION: NETWORKING IN EDUCATION AND RESEARCH JOINT EVENT RENAM 8TH CONFERENCE Book Series:

RoEduNet International Conference Published: 2014

Accession Number: WOS:000374588700023

Conference Title: Joint Event of the RENAM 8th Conference / RoEduNet 13th Conference

Conference Date: SEP 11-13, 2014

Conference Location: Chisinau, MOLDOVA

Conference Sponsors: RENAM, RoEduNet, Agentia Administrare Retelei Nationale Informatica Educatie Cercetare

ISSN: 2068-1038

ISBN: 978-1-4799-6860-2

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Record 31 of 32

Title: Design and Deployment of Reconfigurable Hardware using Web Services

Author(s): Machidon, O (Machidon, Octavian); Sandu, F (Sandu, Florin); Chitic, M (Chitic, Mihail); Cotfas, P (Cotfas, Petre); Cotfas, D (Cotfas, Daniel)

Book Group Author(s): IEEE

Source: 2014 ROEDUNET CONFERENCE 13TH EDITION: NETWORKING IN EDUCATION AND RESEARCH JOINT EVENT RENAM 8TH CONFERENCE Book Series:

RoEduNet International Conference Published: 2014

Accession Number: WOS:000374588700003

Conference Title: Joint Event of the RENAM 8th Conference / RoEduNet 13th Conference

Conference Date: SEP 11-13, 2014

Conference Location: Chisinau, MOLDOVA

Conference Sponsors: RENAM, RoEduNet, Agentia Administrare Retelei Nationale Informatica Educatie Cercetare

Author Identifiers:

ISSN: 2068-1038

ISBN: 978-1-4799-6860-2

Record 32 of 32

Title: A service-oriented perspective for enhancing a digital system design course

Author(s): Machidon, O (Machidon, Octavian); Sandu, F (Sandu, Florin)

Edited by: Vlada M; Albeanu G; Popovici DM

Source: PROCEEDINGS OF THE 9TH INTERNATIONAL CONFERENCE ON VIRTUAL LEARNING Book Series: Proceedings of the International Conference on

Virtual learning Pages: 96-102 Published: 2014

Accession Number: WOS:000448492500011

Conference Title: 9th International Conference on Virtual Learning (ICVL 2014)

Conference Date: OCT 24-25, 2014

Conference Location: Univ Bucharest, Bucharest, ROMANIA

Conference Sponsors: Univ Bucharest, Fac Psychol & Educ Sci

Conference Host: Univ

Bucharest Author Identifiers:

ISSN: 1844-8933