

Paper published, books, etc. list

Constantin-Daniel OANCEA, University Politehnica of Bucharest

A. PhD thesis

““Posibilități de utilizare a echipamentelor moderne de calcul în sistemele de măsurare a unor mărimi electrice și neelectrice””, “Possibility of using modern computer equipment in measurement systems of some electric and non-electric quantities”, 2001, Politehnica University of Bucharest, Thesis coordinator: Prof. Dr. ing. Brândușa PANTELIMON.

B. National and International papers publish

1997

1. **Constantin-Daniel OANCEA**, Brândușa Pantelimon,
Data acquisition using parallel port, 6th National Metrology Symposium with international participation, Bucharest, Palatului Hall, September 17-18, 1997, published in Metrology magazine no. 4/1999, p. 111-114.

1998

2. Brândușa Pantelimon, **Constantin-Daniel OANCEA**
Data acquisition with parallel port, ATEE '98, Symposium on Advanced Topics in Electrical Engineering, December 4, 1998, p. 88-93.

3. Costin Cepișcă, Sorin Grigorescu, Mihaela Marilena Albu, **Constantin-Daniel OANCEA**, George Seritan,
Evaluation of Accuracy of the Traditional Measurements in Electrical Networks, ATEE '98, Symposium on Advanced Topics in Electrical Engineering, 4 December 1998, p. 22-25.

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4. **Constantin-Daniel OANCEA**, Brândușa Pantelimon
Parallel port efficient using in data acquisition, SIELMEC '99, A 2th International Conference of Electromechanical Systems, Chișinău, October 8-9, 1999, 3th volume, p. 27-30, ISBN 9975-944-30-2.

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5. Marcel STANCIU, Viorel PETRE, Octavian Mihai GHIȚĂ, **Constantin-Daniel OANCEA**
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7. Laurențiu ILIE, Marcel STANCIU, Viorel PETRE, **Constantin-Daniel OANCEA**
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8. **Constantin-Daniel OANCEA**, Mihaela ALBU, Marcel STANCIU

New trends in programming real-time applications for data acquisition systems, ATEE 2000, Symposium on Advanced Topics in Electrical Engineering, 2000, p. 71-76.

9. **Constantin-Daniel OANCEA**, Marcel STANCIU, Laurențiu ILIE, Viorel PETRE
New solutions in data acquisition, ATEE 2000, Symposium on Advanced Topics in Electrical Engineering, 2000, p. 77-80.

10. Viorel PETRE , Marcel STANCIU, **Constantin-Daniel OANCEA**
Estimations on designing a measurement and control system with HART communication protocol, ATEE 2000, Symposium on Advanced Topics in Electrical Engineering, 2000, p. 91-94.

11. Constantin VLAICU, Mihaela ALBU, **Constantin-Daniel OANCEA**
A multimedia paradigm applied to the computer-aided measurement laboratory, ATEE 2000, Symposium on Advanced Topics in Electrical Engineering, 2000, p. 159-164.

2001

12. Dan Olaru, **Constantin-Daniel Oancea**
Modern method for analog-digital conversion, "Conex Club" Magazine, no. 3, March 2001, p. 1, 2 and 32, ISSN 1454-7708

13. **Constantin-Daniel Oancea**
Security systems, "Criminalistica" Magazine, no. 2, March 2001, p. 18-20, ISSN 1454-3117.

14. **Constantin-Daniel OANCEA**
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15. Constantin Vlaicu, Mihaela Albu, Sorin Dan Grigorescu, **Constantin-Daniel OANCEA**, Florin Mihai
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16. Sorin Dan Grigorescu, **Constantin-Daniel Oancea**
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19. **Constantin-Daniel OANCEA**, Florin MIHAI
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20. Daniela URMĂ, **Constantin-Daniel OANCEA**

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21. **Constantin-Daniel OANCEA**, Viorel-Constantin PETRE

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22. **Constantin-Daniel OANCEA**, Leonard LAZĂR

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23. Leonard LAZĂR, **Constantin-Daniel OANCEA**

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26. Dan Olaru, **Constantin-Daniel OANCEA**,

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28. Daniela URMĂ, **Constantin-Daniel OANCEA**

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29. Viorel-Constantin PETRE, **Constantin-Daniel OANCEA**

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36. **Constantin-Daniel OANCEA**, Florinel PETRILĂ, Carmen GOLOVANOV

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41. Adrian NEDELCU, **Constantin-Daniel OANCEA**,
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51. Constantin-Daniel OANCEA

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61. **Constantin-Daniel OANCEA**, Melania NAUMOF, Adrian NEDELUCU, Leonaş CIULINARU
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Experimental Study of Air Dehumidification in an Electrostatic Wire-Cylinder Condenser, The 10th International Symposium on, ADVANCED TOPICS IN ELECTRICAL ENGINEERING, ATEE 2017, Politehnica University of Bucharest, Bucharest, March 23-25, 2017, p.440-443, INSPEC Accession Number: 16836095, IEEE Catalog Number CFP1714P-USB, ISBN 978-1-5090-5159-5, ISBN: 978-1-5090-5160-1/17, DOI: 10.1109/ATEE.2017.7905182, [WOS:000403399400086](#), ISBN:978-1-5090-5160-1, ISSN: 1843-8571.

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87. Constantin-Daniel OANCEA

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2020

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The Design and Analysis of a Control Circuit of the Offset from the Voltage Zero Crossing, 2021 International Conference on Electromechanical and Energy Systems (SIELMEN), 6-8 Oct. 2021, DOI: 10.1109/SIELMEN53755.2021.9600294, Iasi, Romania, Electronic ISBN:978-1-6654-0078-7, Print on Demand(PoD) ISBN:978-1-6654-0079-4.

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Da-Db. Laboratory papers

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Da3. Constantin-Daniel Oancea
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Ea. Patents

Ea1. Dan Olaru, **Constantin-Daniel Oancea**, Patent Certificate no. 118487, with title “Method and Device for Signal High Speed Recording/ Rapid digital memory based signals indication employs a double polarity comparator with time and memory circuits for e.g. portable oscilloscopes recording”, by Resolution no. 6/047 from 28.March.2003 by O.S.I.M. (State Office of Patents and Brands), RO000698 18 Jun 2001, Derwent Primary Accession Number: 2003-624576, International Patent Classification: G01R-013/02; G06F-003/05; H03M-001/50 Derwent Class Code(s): S01 (Electrical Instruments); U14 (Memories, Film and Hybrid Circuits); U22 (Pulse Generation and Manipulation), Derwent Manual Code(s): S01-C01; U14-A20; U22-A04D5.

Eb1. **Constantin-Daniel Oancea**, Dan Olaru, Patent Number RO127989-A0, RO000506 06 Jul 2012, “DEVICE AND METHOD FOR MEASURING VERY LARGE CAPACITANCES”, Derwent Primary Accession Number: 2013-C64561, International Patent Classification: G01R-027/26, Derwent Class Code(s): S01 (Electrical Instruments), Derwent Manual Code(s): S01-D01; S01-D05A3.

Eb2. Dan Olaru, **Constantin-Daniel Oancea**, Patent Number RO127057-A0, RO000132 15 Feb 2011, “Computing system for the localization of a source of acoustic signals, consists of a sensor network, a signal acquisition block and a computer system provided with a signal processing algorithm”, International Patent Classification: G01S-003/00; G06F-017/10, Derwent Class Code(s): T01 (Digital Computers); W06 (Aviation, Marine and Radar Systems), Derwent Manual Code(s): T01-J04; W06-A02.

Eb3. Constantin-Daniel Oancea, Patent Number(s): RO132643-A2

Articulated device for coupling self-propelled assembly to single-axle trailer, has two attachment elements that are attached to two subassemblies which couple stiffening elements, and spacer
Derwent Primary Accession Number: 2019-29112U, International Patent Classification: B60D-001/167; B60D-001/46, Derwent Class Code(s): Q11 (Wheels, tyres, connections (B60B-D)); Q19 (Vehicle applications), Derwent Manual Code(s): Q11-C01; Q11-C02; Q19-C02; Q19-J

Fa-Fb. Scientific reports and national and international research contracts

Fa1. Modern computing technics in electric and non-electric measurements

Research contracts no. 6111/work B90/2000 ANSTI

Project manager: Constantin-Daniel Oancea

Fa2. “Proiecte de mobilitate pentru cercetatori - MC”; “Power Factor Evaluation in Data Acquisition Systems”

Research contracts cod PN-III-P1-1.1-MC-2017-1046

Project manager: Assoc. Prof. Constantin-Daniel Oancea

Time period: September 1st 2017 – March 31st 2018

Fa3. MEPHIFA - Monitoring environmental parameters and human influence in forest areas This work was supported in part by the European Commission through Asociación de Empresas Tecnológicas Innovalia under HORIZON 2020 RESEARCH AND INNOVATION FRAMEWORK PROGRAMME, Grant agreement no. 952176, framework DIH-World and by Tesagon International SRL. October 15th 2021– April 15th 2022. Web: <https://dihworld.eu/> , <https://dihworld.ems-carsa.com/> , <https://dihworld.eu/project/monitoring-environmental-parameters-and-human-influence-in-forest-areas/> .

Project Manager: Dr. Constantin Daniel OANCEA

Fb1. Testing equipment for industrial protection systems

Research contracts no 836/work B42/1999 UPB-MCT

Project manager: Mihaela Albu

Fb2. Studiul și analiza comportării transformatoarelor de măsurare în regimuri de funcționare complexe în vederea creșterii preciziei de măsurare a puterii și energiei electrice

Research contracts no. 5 UPB/CIEAC-IDEB

Project manager: Carmen Golovanov, Mihaela Albu

Fb3. Studiul caracteristicilor metrologice ale unor noi convertoare de prelevare a semnalelor din sistemele electroenergetice

Research contracts no UPB/MCT (ANSTI)

Project manager: Prof. dr. ing. C. Golovanov

Fb4. Cercetări privind utilizarea instrumentelor virtuale în domeniul sistemelor distribuite de măsurare și monitorizare a echipamentelor electrotehnice

Research contracts no. 23/2001 UPB/MCT

Project manager: Prof. dr. ing. C. Vlaicu

Fb5. Cercetarea, proiectarea și realizarea unei instalații modernizate pentru defectoscopia prin analiza răspunsului în frecvență

Research contracts no. 99/2002 UPB/ICEMENERG

Project manager: Prof. dr. ing. C. Vlaicu

Fb6. Influența câmpului electromagnetic asupra persoanelor din medii ocupaționale electrice (linii și stații)

Research contracts no. 1/15.05.2000 S.C. ELECTRICA S.A.

Project manager: Prof. dr. ing. C. Golovanov

Fb7. Cercetări privind utilizarea instrumentelor virtuale în domeniul sistemelor distribuite de măsurare și monitorizare a echipamentelor electrotehnice

Research contracts no 33084/2004, tema A123/UPB/CNCSIS

Project manager: Prof. dr. ing. C. Vlaicu

Fb8. Cercetari privind utilizarea tehnologiilor informatice si a sistemelor distribuite de masurare in constructii electrotehnice

Research contract no. 34694/24.06.2005, work no. 97/CNCSIS 1423

Project manager: Prof. dr. ing. Constantin Vlaicu

Fb9. Elaborarea de modele de laborator de echipamente ce încorporează tehnologii informatice și elaborarea software-ului necesar

Research contract no. GR: 139/02.06.2006, work no. 88, CNCSIS: 1423

Project manager: Prof. dr. ing. Constantin Vlaicu

Fb.10. Sistem hibrid de producere a energiei electrice utilizand surse regenerabile

Research contracts no. Nr. 21-075/18.09.2007 PNCDI II Parteneriate, gestionat de CNMP (Centrul National de Management Programe)

Durata proiectului: 18.09.2007 - 29.10.2010

Institutia coordonatoare: UNIVERSITATEA POLITEHNICA DIN BUCURESTI (UPB)

Institutiile partenere:

1. Institutul de Cercetari pentru Masini Electrice (SC ICPE-ME SA)

2. Institutul de Cercetare si Proiectare pentru Sisteme de Actionari Electrice si Redresoare de Putere (SC ICPE-SAERP SA)

3. ACADEMIA TEHNICA MILITARA DIN BUCURESTI (ATM)

4. CENTRUL PENTRU PROMOVAREA ENERGIEI CURATE SI EFICIENTE IN ROMANIA (ENERO)

Project manager: Conf. Dr. ing. Tiberiu Tudorache

Fb11. SISTEME INTEGRATE INTELIGENTE DE ILUMINAT INTERIOR CARE UTILIZEAZA DIODE LUMINISCENTE DE PUTERE: SMART- LED

Research contracts no 246/10.10.2008

Director de proiect: Dr. Fiz. Alecu CIOCANEL

Fb.12. Bridge Grant Programme – PNCDI III, financed by MEN - UEFISCDI, project no. 68BG/2016

Durata proiectului: 1.11.2016 - 31.12.2017

Director de proiect: Prof. Dr. ing. Tiberiu Tudorache

Fb. 13. OPTIMIZAREA ENERGETICA SI FUNCTIONALA A CONVERTOARELOR ELECTRONICE DE PUTERE PRIN METODE SI SISTEME AVANSATE DE INTELIGENTA ARTIFICIALA

Research contracts no ID_640/15.01.2009 UEFISCDI PNCDI II IDEI (cod ID 1693/25.02.2008 alocat la depunerea proiectului castigat prin competitie de catre autoritatea contractanta UEFISCDI și nr. intern 640/15.01.2009 dat contractului de finantare de catre contractorul UPB)

Project manager: Conf. Dr. Ing. Adriana FLORESCU

Finantare: Bugetul de stat - Ministerul Educatiei, Cercetarii, Tineretului si Sportului

Perioada: 15.01.2009-31.12.2011

Fb. 14. „CABINA DE COMANDA PENTRU MONITORIZAREA SI CONTROLUL PROCESELOR DE FORAJ SAU INDUSTRIALE CU GRAD RIDICAT DE RISC”
Contract AMCSIT, Nr. Contract 55/2007 – Etapa 1/2007, in cadrul Planului Cercetare National 2 , modulul 1 Dezvoltare de produs sisteme.

Durata contract: 2007-2009

Responsabil contract: Conf.dr.ing. Octavian Mihai GHITA

Fb. 15. Generator de curent în bandă audio pentru testarea sistemelor industriale de protectie, Contract cercetare 836/tema A42/1999 UPB-MCT, Responsabil contract: s.l. dr. ing. Mihaela Albu., 1999

Fb. 16. Laborator virtual pentru procesarea semnalelor din sistemele de măsurare, grant ANSTI B1-T-150//2000 și 6111/2000/A53. Director: dr. Mihaela Albu, 2000-2001.

Fb. 17. Experimentare la distanță în electroenergetică., grant CNCSIS 134/CNCSIS 112/34967/2001 și continuare 2002. Director: dr. Mihaela Albu, 2001-2002.

Fb. 18.. Amplificator de putere pentru testarea transformatoarelor de măsurare în domeniul frecvență, contract A47/2000 UPB-MCT, Director dr. Mihaela Albu, 2000

Fb. 19. TEQUITA. “Tequita” is a project name under „Leonardo da Vinci” programme of European Commission, between 1 Nov. 1998 and 5 April 2001. Project partners are from Germany, UK, Austria and Romania. Objective of Romanian group, coordinate by University „Politehnica” of Bucharest, was educational program by multimedia technics in industry. Name „Tequita” was from German, the coordonator, short form title of project: „TEAMORIENTIERTE QUALIFIZIERUNGSMODELLE FÜR INFORMATIONSEN- UND TELEKOMMUNIKATIONSAUSBILDUNG”.

Project Manager in Romania: Prof. Dr. eng. Aurelian Craciunescu

Project pilot D/98/2/05157/PI/II.1.1.a/CONT

Fb. 20. DISNOTECH. Project under „Leonardo da Vinci” programme, under European Commission, which is dedicatet to research and post graduate training in engineering of fields:

- Computer technologies used in the complex electrical equipment - TI;
- Technology of the optical fibbers used in the complex electrical equipment - FO;
- Power electronics used in the technologies and no conventional equipment - EP.

Project name was from French short form of: “Strategies de dissemination de nouvelles technologies utilisees dans les equipements electrotechniques complexes informatises”.

Project Manager: Prof. Dr. eng. Constantin Vlaicu

Project pilot RO/98/2/06466/PI/II.1.1.c/FPC

25.Iunie.2022