Diana Mesaros

Cetățenie: română

EXPERIENȚA PROFESIONALĂ

Sef Lucrari
Facultatea de Inginerie Electrica si Tehnologia Informatiei, Universitatea Oradea [09/2020 – În curs]

Localitatea: Oradea
Țara: România

Activitate didactica si de cercetare

Cadru didactic asociat
Univrsitatea Tehnica Cluj-Napoca, Facultatea de Automatica si Calculatoare [09/2017 – 09/2020]

Localitatea: Cluj-Napoca
Țara: România

- Teoria Sistemelor Automate laborator
- Sisteme cu Microprocesoare laborator

EDUCAȚIE ȘI FORMARE PROFESIONALĂ

Doctor
Universitatea Tehnica Cluj-Napoca, Facultatea de Automatica si Calculatoare [09/2014 – 03/2018]

Titlul Tezei de Doctorat "Contributii privind modelarea si simularea proceselor cu parametri distribuiti".
- Modelarea analogica si simularea numerica a proceselor cu parametri distribuiti
- Studiul coloanelor de separare izotopice

Masterat in Automatica
Universitatea Tehnica Cluj-Napoca, Facultatea de Automatica si Calculatoare [09/2012 – 07/2014]

Domeniul (domeniile) de studiu: Controlul Avansat al Proceselor
Lucrarea de diplomă: Contributii privind modelarea si simularea proceselor cu parametri distribuiti

Control Optimal, Control Adaptiv, Control Robust, Sisteme Hibrid, Control Predictiv, Viziune Artificială, Controlul Proceselor Industriale, Sisteme Inglobate, Sisteme neliniare si stochastice, Sisteme dinamice

Inginer Automatist
Universitatea Tehnica Cluj-Napoca, Facultatea de Automatica si Calculatoare [09/2008 – 06/2012]

Domeniul (domeniile) de studiu: Ingineria Sistemelor Automate
Lucrarea de diplomă: Sistem de monitorizare si control al unei prese de injectat cauciuc

Optimizări, Ingineria Reglării automate, Teoria Sistemelor, Electronica, Electrotehnica, Semnale și Sisteme, Mecanică, Fizică, Electronică de Putere în Automatică, Baze de Date, Achiziții de date, Transmisii de date, Sisteme distribuite, Sisteme cu evenimente discrete, Programare C/C++, C#, Java, SQL;

Bacalaureat
Colegiul Național „Mihai Eminescu”, Satu Mare (România)

Matematică, Informatică, Fizică, Engleza și Germană

Certified ScrumMaster
SCRUM ALLIANCE

Certificant ID: 001011081 Certification Active through: 23 December 2021

COMPETENȚE LINGVISTICE

Limbă(i) maternă(e): **romana**

Altă limbă (Alte limbi):

engleza

COMPREHENSIUNE ORALĂ C1 **CITIT** C1 **SCRIS** C1

EXPRIMARE SCRISĂ C1 **CONVERSAȚIE** C1

germana

COMPREHENSIUNE ORALĂ B1 **CITIT** B1 **SCRIS** B1

EXPRIMARE SCRISĂ B1 **CONVERSAȚIE** B1

COMPETENȚE DIGITALE

Microsoft Office / Navigare Internet / Utilizare programe de comunicare (mail messenger skype zoom Google Meet)) / Utilizare programe de cloud (Google Drive Dropbox OneDrive)

Limbaje de programare

Java / Objective C / CC++ / C

Embedded

Programare Microcontrollere / Programare PLC-uri Siemens / Programare controllere DeltaV / DeltaV HMI / Matla bSimulink / Siemens HMI

Sisteme de Operare

Mac OS X / Instalare sisteme de operare (Windows Linux)

COMPETENȚE DE COMUNICARE ȘI INTERPERSONALE

creativa, prietenoasa, sociabila, lucrez bine in echipa

PERMIS DE CONDUCERE

Permis de conducere: B

HOBBY-URI ȘI TEME DE INTERES

Design si manufactura accesorii vestimentare

CONFERINȚE ȘI SEMINARE

International Conference on Automation, Quality and Testing, Robotics

[Universitatea Tehnica Cluj-Napoca, 04/2018 – 05/2018]

D. Sas, Z. Kovendi, I. Clitan, *„Modeling and simulation of a waste water neutralization system using (Mpdx) method“*, 2018 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR), Cluj-Napoca, Romania, Electronic ISBN: 978-1-5386-2205-6

https://ieeexplore.ieee.org/document/8402787/

D. Sas, Z. Kovendi, I. Clitan, *„Numerical simulation of a wastewater neutralization system“*, 2018 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR), Cluj-Napoca, Romania, Electronic ISBN: 978-1-5386-2205-6

https://ieeexplore.ieee.org/document/8402788/

T. Coloși, M. Abrudean, V. Mureșan, I. Clitan, D. Sas, M.-L. Ungureșan, *„Extension of Mpdx matrix for 4th order partial differential equations with two independent variables“,* 2018 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR), Cluj-Napoca, Romania, Electronic ISBN: 978-1-5386-2205-6

https://ieeexplore.ieee.org/document/8402789/

International Conference on Automation, Quality and Testing, Robotics

[Universitatea Tehnica Cluj-Napoca, 04/2016 – 05/2016]

D. Sas, Z. Kovendi, *Preliminaries in (Mpdx) method associated with Cohen equations* 2016 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR) Proceedings, Cluj-Napoca, Romania, ISBN: 978-1-4673-8692-0

http://ieeexplore.ieee.org/abstract/document/7501386/

International Conference on Automation, Quality and Testing, Robotics

[Universitatea Tehnica Cluj-Napoca, 04/2014 – 05/2014]

D. Sas, Mihaela-Ligia Ungureșan, Tiberiu Colosi, *Process modeling and simulation of distributed parameter using* M_{pd_x} *method with aproximating solutions*, ISI - Proceeding, IEEE - AQTR 2014, Cluj-Napoca, p. 57-62. Print ISBN: 978-1-4799-3731-8.

http://ieeexplore.ieee.org/document/6857833/

International Conference on Engineering of Modern Electric Systems (EMES)

[Universitatea Oradea, 05/2015 – 06/2015]

D. Sas, M. Secara *Preliminaries in numerical simulation of isotope separation closed-loop processes* 2015 International Conference on Engineering of Modern Electric Systems (EMES) Oradea, Romania, ISBN: 978-1-4799-7650-8

http://ieeexplore.ieee.org/document/7158445/

D. Sas, M. Secara *Preliminaries in numerical simulation of isotope separation open-loop processes* 2015 International Conference on Engineering of Modern Electric Systems (EMES) Oradea, Romania, ISBN: 978-1-4799-7650-8

http://ieeexplore.ieee.org/document/7158446/

M. Secara, D. Sas *Mathematical model for 18O isotope separation column operated by product extraction regime* 2015 International Conference on Engineering of Modern Electric Systems (EMES) Oradea, Romania, ISBN: 978-1-4799-7650-8

http://ieeexplore.ieee.org/document/7158444/

M. Secara, D. Sas *Mathematical model for 18O separation column based on chemical exchange between nitric oxides and nitric acid solution operated at total reflux* 2015 International Conference on Engineering of Modern Electric Systems (EMES) Oradea, Romania, ISBN: 978-1-4799-7650-8

http://ieeexplore.ieee.org/document/7158443/

International Conference on Engineering of Modern Electric Systems (EMES)

[Universitatea Oradea, 05/2017 – 06/2017]

D. Sas, Z. Kovendi, L. Coroiu, E.-I. Gergely, G. Husi *Modeling and simulation of a Carbon 13C Separation Process by low temperature Distilation* IEEE 2017 14th International Conference on Engineering of Modern Electric Systems (EMES) Oradea, Romania, ISBN: 978-1-5090-6073-3

http://ieeexplore.ieee.org/document/7980416/

O. Bunta, V. Muresan, D. Sas, T. Colosi, *Time and space constants in the orthodontic dynamics*, IEEE 2017 14th International Conference on Engineering of Modern Electric Systems (EMES) Oradea, Romania, ISBN: 978-1-5090-6073-3

http://ieeexplore.ieee.org/document/7980414/

O. Bunta, V. Muresan, D. Sas, T. Colosi, *Mathematical formalisms used in the orthodontic dynamics*, IEEE 2017 14th International Conference on Engineering of Modern Electric Systems (EMES) Oradea, Romania, ISBN: 978-1-5090-6073-3

http://ieeexplore.ieee.org/document/7980413/

International Conference on Engineering of Modern Electric Systems (EMES)

[Universitatea Oradea, 05/2019 – 06/2019]

T. Coloși, D. Sas, M. Man Dietrich, I. Clitan, Z. Kovendi, L. Coroiu, *„Extension of Mpdx Matrix for upper order Partial Diferential Equations with two Independent Variables and Approximating Solutions”*, IEEE 2019 15th International Conference on Engineering of Modern Electric Systems (EMES) Oradea, Romania, Electronic ISBN: 978-1-7281-0773-8

https://ieeexplore.ieee.org/document/8795214

M. Man Dietrich, M. S. Popa, D. Sas, Z. Kovendi, E. I. Gergely, *„Implementation of the Quality management system in the Matlab software”*, IEEE 2019 15th International Conference on Engineering of Modern Electric Systems (EMES) Oradea, Romania, Electronic ISBN: 978-1-7281-0773-8

https://ieeexplore.ieee.org/document/8795215

International Conference on Aerospace, Robotics, Biomechanics, Neurorehab., Mechanical Engineering

[Politehnica Bucuresti, 09/2017 – 10/2017]

D. Sas, I.Clian, M.-L.Unguresan, V. Muresan, *Analytical modeling of an 15N isotope separation column by second-order quasi-linear equations with two independent variables* International Conference on Aerospace, Robotics, Biomechanics, Neurorehabilitation, Mechanical Engineering and Manufacturing Systems (ICMERA) 2017, Bucuresti, Romania

http://www.ijmo.org/index.php?m=content&c=index&a=show&catid=72&id=747

V. Muresan, D.Sas, I.Clitan, M.-L.Unguresan, *"Preliminaries of structural parameters approximation through transcendence equations for an 15N isotope separation column"*, International Conference on Aerospace, Robotics, Biomechanics, Neurorehabilitation, Mechanical Engineering and Manufacturing Systems (ICMERA 2017), Bucuresti, Romania

http://www.ijmo.org/index.php?m=content&c=index&a=show&catid=72&id=746

DATA

07/12/2022