



Diana Mesaros

Nationality: Romanian

WORK EXPERIENCE

Lecturer / Head of Works

Faculty of Electrical Engineering and Information Technology, Oradea University [09/2020 – Current]

City: Oradea

Country: Romania

Didactical and research activities

Adjunct Professor

Technical University Cluj-Napoca, Faculty of Automation and Computer Science [09/2017 – 09/2020]

City: Cluj-Napoca

Country: Romania

Didactical and research activities

EDUCATION AND TRAINING

PhD

Technical University Cluj-Napoca, Faculty of Automation and Computer Science [09/2014 – 03/2018]

Master Degree

Technical University Cluj-Napoca, Faculty of Automation and Computer Science [09/2012 – 07/2014]

Bachelor Degree

Technical University Cluj-Napoca, Faculty of Automation and Computer Science [09/2008 – 06/2012]

Bacalaureat Diploma

„Mihai Eminescu” Highschool, Satu Mare (România) [08/2004 – 06/2008]

Certified ScrumMaster

SCRUM ALLIANCE

Certificant ID: 001011081 Certification Active through: 23 December 2021

LANGUAGE SKILLS

Mother tongue(s): **Romanian**

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

German

LISTENING B1 READING B1 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

DIGITAL SKILLS

Microsoft Office / Communication Platforms (zoom skype google hangouts etc) / Java Programming language / Objective C / CC++ / C / DeltaV HMI / MatlabSimulink / Emerson DeltaV / Siemens Step7 WinCC / Windows OS / Linux OS / Mac OSX / Management tools (JIRA Confluence) / GIT (GitHub) / Continuous

integration platforms setup and maintenance (Jenkins) / Jenkins Pipeline / Bitbucket / DevOps and Automation (Continuous integration/Continuous deploy) / Arduino Microcontroller / SQL

COMMUNICATION AND INTERPERSONAL SKILLS

sociable, friendly, creative

DRIVING LICENCE

Driving Licence: B

HOBBIES AND INTERESTS

Fashion design

CONFERENCES AND SEMINARS

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 (Mpx) 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 Mpx 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 (Mpx) 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} method with approximating 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 Distillation* 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 Mpx Matrix for upper order Partial Differential 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. Clitan, 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

DATE

07/12/2022