

Universitatea Petrol - Gaze din Ploiești

Școala doctorală

Nr. ____ / ____

Domeniul de doctorat Ingineria Sistemelor

Conducător de doctorat **Prof. univ. habil. dr. ing. Valentina E. Balas**

Raport individual privind activitatea desfășurată în anul 2024

Student doctorand Lasc (Petcuț-Lasc) Anca Adriana

Înscriș la studii universitare de doctorat în anul 2024

Activități desfășurate

1. Examenе susținute

Etică și integritate academică, Decembrie 2024, Examen – admis
Complemente de Teoria sistemelor, Decembrie 2024, Examen – admis
Managementul proiectelor, Decembrie 2024, Examen – admis

2. Rapoarte de cercetare susținute – nu au fost susținute

3. Articole științifice publicate

1) ANALYSIS OF A RESIDENTIAL PHOTOVOLTAIC SYSTEM

Anca-Adriana Petcuț-Lasc, Valentina Emilia Bălaș, Flavius-Maxim Petcut
PROCEEDINGS of the XIV International Conference on Industrial Engineering and Environmental Protection IIZS 2024

Technical Faculty "Mihajlo Pupin" Zrenjanin, October 3-4, 2024, Zrenjanin, Serbia

<http://www.tfzr.uns.ac.rs/iizs/files/IIZS2%202024%20Proceedings.pdf>

ISBN 978-86-7672-376-8

<https://doi.org/10.46793/IIZS24.198PL>

2) Message Scheduler for a Cryptographic Application

Authors: **Anca-Adriana Petcuț-Lasc**, Raul Rotar

Advisor: Flavius-Maxim Petcuț

International Students Conference StudMath-IT 2024

21-22 November 2024, Arad, Romania

Book of Extended Abstracts [https://studmathit-uav.ro/wp-](https://studmathit-uav.ro/wp-content/uploads/2025/01/StudMathIT2024-Book_Of_Abstracts_FinalVersion_.pdf)

[content/uploads/2025/01/StudMathIT2024-Book_Of_Abstracts_FinalVersion_.pdf](https://studmathit-uav.ro/wp-content/uploads/2025/01/StudMathIT2024-Book_Of_Abstracts_FinalVersion_.pdf)

Full paper submission on press

3) A case study on optimization: implementing textbook RSA with multiprocessing in Julia

Author: Tibor Hegyi

Advisor: **Anca-Adriana Petcuț-Lasc**

International Students Conference StudMath-IT 2024

21-22 November 2024, Arad, Romania

Book of Extended Abstracts [https://studmathit-uav.ro/wp-](https://studmathit-uav.ro/wp-content/uploads/2025/01/StudMathIT2024-Book_Of_Abstracts_FinalVersion_.pdf)

[content/uploads/2025/01/StudMathIT2024-Book_Of_Abstracts_FinalVersion_.pdf](https://studmathit-uav.ro/wp-content/uploads/2025/01/StudMathIT2024-Book_Of_Abstracts_FinalVersion_.pdf)

Full paper submission on press

4) 8-Bit binary code multiplexers: Optimization and practical implementation

Authors: Daniela-Claudia Mladin, Raul-Fabian Julean
Advisor: **Anca-Adriana Petcuț-Lasc**
International Students Conference StudMath-IT 2024
21-22 November 2024, Arad, Romania
Book of Extended Abstracts https://studmathit-uav.ro/wp-content/uploads/2025/01/StudMathIT2024-Book_Of_Abstracts_FinalVersion_.pdf
Full paper submission on press

4. Lucrări științifice susținute la conferințe sau sesiuni științifice

1) ANALYSIS OF A RESIDENTIAL PHOTOVOLTAIC SYSTEM

Anca-Adriana Petcuț-Lasc, Valentina Emilia Bălaș, Flavius-Maxim Petcut
XIV International Conference on Industrial Engineering and Environmental Protection IIZS 2024
Technical Faculty "Mihajlo Pupin" Zrenjanin, October 3-4, 2024, Zrenjanin, Serbia
<http://www.tfzr.uns.ac.rs/iizs/index.php>

2) Message Scheduler for a Cryptographic Application

Authors: **Anca-Adriana Petcuț-Lasc**, Raul Rotar
Advisor: Flavius-Maxim Petcuț
Conference: International Students Conference StudMath-IT 2024
21-22 November 2024, Arad, Romania
<https://studmathit-uav.ro/>

3) A case study on optimization: implementing textbook RSA with multiprocessing in Julia

Author: Tibor Hegyi
Advisor: **Anca-Adriana Petcuț-Lasc**
Conference: International Students Conference StudMath-IT 2024
21-22 November 2024, Arad, Romania
<https://studmathit-uav.ro/>

4) 8-Bit binary code multiplexers: Optimization and practical implementation

Authors: Daniela-Claudia Mladin, Raul-Fabian Julean
Advisor: **Anca-Adriana Petcuț-Lasc**
Conference: International Students Conference StudMath-IT 2024
21-22 November 2024, Arad, Romania
<https://studmathit-uav.ro/>

5. Standuri experimentale -

6. Alte activități desfășurate singur sau în colaborare cu conducătorul ori comisia de îndrumare și integritate:

1) Membru in echipa de organizare a conferintei StudMath-IT 2024, 21-22 November 2024, Arad, Romania <https://studmathit-uav.ro/organizing-committee/>

2) Membru in echipa de editori a Book of Extended Abstracts International Students Conference StudMath-IT 2024

https://studmathit-uav.ro/wp-content/uploads/2025/01/StudMathIT2024-Book_Of_Abstracts_FinalVersion_.pdf - ultima pagina

Data: 07.02.2025

Conducător de doctorat

Student doctorand