

The National University of Science and Technology POLITEHNICA Bucharest, Pitești University Center

Department of Mathematics-Informatics

St. Cyril And St. Methodius University of Veliko Tarnovo,

Faculty of Mathematics and Informatics

## JOINT DOCTORAL SEMINAR

Thursday 21 March 2024, from 16:00

Host: The National University of Science and Technology POLITEHNICA Bucharest,

Pitești University Center

### Programme

#### 16-16.20 Welcome and Introduction

Assoc.prof.dr. *Doru CONSTANTIN*, Director of the Department of Mathematics-Informatics, The National University of Science and Technology POLITEHNICA Bucharest, Pitești University Center

Lect.dr. *Maria MIROIU*, Department of Mathematics-Informatics, The National University of Science and Technology POLITEHNICA Bucharest, Pitești University Center

#### Scientific committee (Question, Discussion, Scientific recommendations)

Prof.dr. habil. *Loredana BĂLILESCU*, doctoral advisor, Dept. of Mathematics-Informatics, The National University of Science and Technology POLITEHNICA Bucharest, Pitești University Center

Prof.dr. habil. *Miroslav GALABOV*, doctoral advisor, Dept. of Computer System and Technologies, St.Cyril and St.Mehtodius University of Veliko Turnovo, Veliko Turnovo, Bulgaria

Assoc.Prof.dr.habil. *Daniel ANGHEL*, Department of Manufacturing and Industrial Management, The National University of Science and Technology POLITEHNICA Bucharest, Pitești University Center

Chair: lect.dr. *Nicoleta SĂMĂRESCU*, The National University of Science and Technology POLITEHNICA Bucharest, Pitesti University Center

- 16.20-16.30 **Entity Layer Internet Architecture and Services (ELIAS)**  
Miroslav Bonchev Bonchev
- 16.30-16.40 **Implementation of Gamification in a Software System for  
Enhancing Trainee Motivation**  
Zdravka Ivanova Koleva
- 16.40-16.50 **Approaches to Applying Semantic Web Technologies to Support  
Customer Relationship Management**  
Pavel Valentinov Petrov
- 16.50-17.00 **Bloch waves in the homogenization method**  
Valentin Nicolae Manzur
- 17.00-17.10 **Contributions to improving the functional design of parts obtained  
through 3D printing techniques using advanced methods of analysis  
and optimization**  
Cristina Florena (Stoica) Bănică
- 17.10-17.20 **Optimizing Energy Efficiency in Distributed Web Systems**  
Marian Ileana
- 17.20-17.30 **The oscillating test functions method in homogenization**  
Daniela Matei (Curpene)