

PERSONAL INFORMATION



Dr. Zoltán Siménfalvi PhD

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Gender male | Date of Birth 11/06/1971 | Nationality hungarian

WORK EXPERIENCE

- 2017- **acting dean**
University of Miskolc, Faculty of Mechanical Engineering and Informatics, 3515 Miskolc-Egyetemváros
education, research, management
- 2014- **head of institute**
University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Energy Engineering and Chemical Machinery, Department of Chemical Machinery 3515 Miskolc-Egyetemváros
education, research, management
- 2013- **head of institutional department**
University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Energy Engineering and Chemical Machinery, Department of Chemical Machinery 3515 Miskolc-Egyetemváros
education, research, management
- 2013-2017 **vice dean**
University of Miskolc, Faculty of Mechanical Engineering and Informatics, 3515 Miskolc-Egyetemváros
education, research, management
- 2007-2013 **head of department**
University of Miskolc, Faculty of Mechanical Engineering and Informatics, Department of Chemical Machinery 3515 Miskolc-Egyetemváros
education, research, management
- 2003- **associate professor**
University of Miskolc, Faculty of Mechanical Engineering and Informatics, Institute of Energy Engineering and Chemical Machinery, Department of Chemical Machinery 3515 Miskolc-Egyetemváros
education, research
- 2001-2003 **assistant professor**
University of Miskolc, Faculty of Mechanical Engineering and Informatics, Department of Chemical Machinery 3515 Miskolc-Egyetemváros
education, research,
- 1998-2001 **lecturer**
University of Miskolc, Faculty of Mechanical Engineering and Informatics, Department of Chemical Machinery 3515 Miskolc-Egyetemváros
education, research,

EDUCATION

- 2001 **PhD degree**
University of Miskolc
Sályi István Doctoral School
Title of dissertation: "THEORETICAL AND EXPERIMENTAL INVESTIGATION OF THE OPERATION OF SPRING-LOADED SAFETY VALVE"
- 1995-1998 **PhD absolutorium**
University of Miskolc
Sályi István Doctoral School
- 1990-1995 **M.Sc. of Mechanical Engineering**
University of Miskolc
Faculty of Mechanical Engineering

Mechanical Engineer specialization in Chemical Machines

Title of dissertation: "STRESSING INVESTIGATION OF HEAT-EXCHANGER'S TUBE-SHEET"

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE hungarian

OTHER LANGUAGES

English STATE LANGUAGE EXAM 1999. (NO. 059363, 052287)
Russian PHD LANGUAGE EXAM 1999 (NO. 61/1999)

RESEARCH ACTIVITY

Main publications

MTMT: 10003500
ORCID: 0000-0003-2641-9638
MTA ID: 10029179
SCOPUS ID: 6506578289

MANNHEIM, V., SIMÉNFA LVI, Z.: Determination of Power Consumption for Suspension Mixing in Stirring Equipments and Stirred Ball Mills. *Journal of Materials Science and Engineering A 2* (7) (2012) 572-578. ISSN 2161-6213

SZEPESI, G., SIMÉNFA LVI, Z.: Connection Between the Leaking and the Viscoelastic Behavior of Flange Gaskets *JOURNAL OF COMPUTATIONAL AND APPLIED MECHANICS* 10:(1) pp. 57-64. (2015)

Tibor Varga, Gábor Szepesi, Zoltán Siménfalvi; Horizontal scraped surface heat exchanger – experimental measurements and numerical analysis. *POLLACK PERIODICA: AN INTERNATIONAL JOURNAL FOR ENGINEERING AND INFORMATION SCIENCES* 12:(1) pp. 107-122. (2017) Q3

Andor Zsemberi, Zoltán Károly Siménfalvi, Árpád Bence Palotás; Utilisation of Various Hydro-Carbon-Based Wastes by Thermo-catalytic Conversion; *LECTURE NOTES IN MECHANICAL ENGINEERING F12*: pp. 171-185. (2017) Vehicle and Automotive Engineering : Proceedings of the JK2016. Miskolc, Magyarország: 2016.11.17 -2016.11.18. Q4

Szamosi Zoltán, Tóth Pál, Koós Tamás, Baranyai Viktor, Gábor Szepesi, Siménfalvi Zoltán; Explosion Characteristics of Torrefied Wheat Straw Rape Straw, and Vine Shoots Fuels; *ENERGY AND FUELS* 10: Paper 7b01875. (2017) Q1, D1

Prizing, honours

2014 - Honorary Lecturer Faculty of Mechanical Engineering and Informatics
2010, 2013 - Honorary Classmate Faculty of Mechanical Engineering and Informatics
2004 - 2007 Bolyai János Research Fellowship
2002 - Scientific Society of Mechanical Engineering, Society Medal
2001 - Békésy György Postdoctoral Fellowship
2001 - Science Award, Hungarian Academy of Sciences, Miskolc
1995 - Educational medal silver grade
1989, 1994, 1995: Hungarian Republic Excellent-grades Excellent-sporting

Study and organizational skills on abroad

2015 Otto von Guericke University Magdeburg Institut für Strömungstechnik und Thermodynamik (ISUT), Institut für Apparate- und Umwelttechnik (IAUT)

2015 University of West Bohemia, Faculty of Mechanical Engineering, Department of Power System Engineering

2015 Cranfield University, Institute of Aerospace Sciences, UK

2015 Explosion Network (Ind-Ex Middle East LLC (UAE), Veproil Kft (HU), Stahl Magyarország Kft. (HU), Solver Unio Kft. (HU))

2009 FLACS Training Course – CMR Gexcon – Bergen, Norway

2003 ARI Armaturen GmbH, Németország, Széchenyi István Fellowship

2003 National Technical University of Athens

2002 Bureau for Interbational Research and Technology Co-opeation, Wien, Austria

2002 Universidade Nova de Lisboa, Faculty of Sciences and Technology

2001 National and Kapodistrian University of Athens

2000 EADTU, Heerlen (Hollandia), Fund Raising Activity- TEMPUS JEP