

List of Student's Publications on the Dissertation Subject

- [1] ABUSHAMAH, H.A.S., MAŠATA, D., JIŘIČKOVÁ, J., ŠKODA, R. Optimization of Sizing and Operation of a Nuclear District Heating System Using Teplator, Gas Boiler and Heat Storage. In *Proceedings of the International Conference Nuclear Energy for New Europe (NENE 2022)*. Ljubljana: Nuclear Society of Slovenia, 2022. s. „910.1“-„910.8“. ISBN: 978-961-6207-53-9 ,Nový RIV obor: Nuclear related engineering
- [2] ABUSHAMAH, H. A. S., HAGHIFAM, M., BOLANDI, T. G. A novel approach for distributed generation expansion planning considering its added value compared with centralized generation expansion. *Sustainable Energy, Grids and Networks*, 2021, roč. 25, č. March 2021, s. 1-18. ISSN: 2352-4677 ,Nový RIV obor: Electrical and electronic engineering
- [3] ABUSHAMAH, H.A.S., JIŘIČKOVÁ, J., ŠKODA, R. Nuclear Based Approach for Multi Energy Applications. In *Elektrotechnika a informatika 2021. Elektrotechnika, elektronika, elektroenergetika*. Plzeň: Západočeská univerzita v Plzni, 2021. s. 5-8. ISBN: 978-80-261-1019-4 Původní RIV obor: JA - Elektronika a optoelektronika, elektrotechnika ,Nový RIV obor: Electrical and electronic engineering
- [4] ABUSHAMAH, H.A.S., JIŘIČKOVÁ, J., ŠKODA, R., MAŠATA, D. Evaluating the TEPLATOR concept as a nuclear heating solution compared with other alternatives in the Czech Republic. In *Proceedings of the International Conference Nuclear Energy for New Europe (NENE 2021)*. Ljubljana: Nuclear Society of Slovenia, 2021. s. 210.1-210.8. ISBN: 978-961-6207-51-5 ,Nový RIV obor: Nuclear related engineering
- [5] ŠKODA, R., ABUSHAMAH, H.A.S. Nuclear solution for district cooling and its benefits on the power system. In *Proceedings of ICAPP 2021*. Abu Dhabi: Khalifa University, 2021. s. 1-9. ISBN: neuvedeno ,Nový RIV obor: Nuclear physics
- [6] ABUSHAMAH, H. A. S., MAŠATA, D., MÜLLER, M., ŠKODA, R. Economics of reusing spent nuclear fuel by Teplator for district heating applications. *INTERNATIONAL JOURNAL OF ENERGY RESEARCH*, 2022, roč. 46, č. 5, s. 5771-5788. ISSN: 0363-907X ,Nový RIV obor: Nuclear related engineering

[7] ABUSHAMAH, H. A. S., BURIAN, O., ŠKODA, R. Design and Operation Optimization of a Nuclear Heat-Driven District Cooling System. *INTERNATIONAL JOURNAL OF ENERGY RESEARCH*, 2023, roč. Volume 23, ISSN: 0363-907X ,Nový RIV obor: Nuclear related engineering

[8] ABUSHAMAH, H. A. S., ŠKODA, R. Nuclear energy for district cooling systems - Novel approach and its eco-environmental assessment method. *ENERGY*, 2022, roč. 250, č. July 2022, s. 1-19. ISSN: 0360-5442 ,Nový RIV obor: Nuclear related engineering

[9] MAŠATA, D., ABUSHAMAH, H.A.S., JIŘIČKOVÁ, J., ŠKODA, R. Nuclear Power for the Decarbonization of the District Heating Sector in the Czech Republic. In *Proceedings of the International Conference Nuclear Energy for New Europe (NENE 2022)*. Ljubljana: Nuclear Society of Slovenia, 2022. s. „1201.1“-„1201.8“. ISBN: 978-961-6207-53-9 ,Nový RIV obor: Nuclear related engineering

Presentations and conferences

Location	Contribution	Date
International Conference Nuclear Energy for New Europe. Ljubljana: Nuclear Society of Slovenia	Poster presentation.	September 6 – 9. 2021
International Congress on Advances in Nuclear Power Plants, Khalifa University, Abu Dhabi, UAE.	Online attendance and presentation.	October 16 – 20. 2021
International Conference Nuclear Energy for New Europe. Ljubljana: Nuclear Society of Slovenia	Poster presentation.	September 12 – 15. 2022
French-Czech-Slovak Summer School, Czech Republic -Třebíč.	Attendance.	August 30 – September 3. 2021
Nuclear days, University of West Bohemia	Presentation and poster.	September 15 2021.
Nuclear days, University of West Bohemia	Attendance.	September 14 – 15.
PILSMR International Workshop	Attendance.	October 23 – 27, 2023

Souhlas 8/11/23
 PROF. RADEK ŠKODA
