

PERSONAL INFORMATION

Sigitas Rimkevicius



 3 Breslaujos str. LT-44403 Kaunas, Lithuania
 +370 610 401924  +370 610 42165
 sigitas.rimkevicius@lei.lt
 Sex Male | Date of birth 20/03/1963 | Nationality Lithuania

WORK EXPERIENCE

May 2014 – Present

Director (+Chief Research Associate)

 Lithuanian Energy Institute, 3 Breslaujos str. LT-44403 Kaunas, Lithuania, www.lei.lt

- Overall management of activities in Institute,
- Projects management.

Business or sector Research

May 2004 – May 2014

Head of Laboratory of Nuclear Installation Safety (Chief Research Associate from 2010)

 Lithuanian Energy Institute, 3 Breslaujos str. LT-44403 Kaunas, Lithuania, www.lei.lt

- Projects management.,
- Overall activities management in the Laboratory,
- Safety analysis for fusion and fission power plants and installations,
- Engineering analysis of safety related systems in nuclear fusion and fission installations,
- Reliability and risk analysis of energy supply systems and other potentially dangerous objects.

Business or sector Research

1995 - 2010

Senior Research Associate

 Lithuanian Energy Institute, 3 Breslaujos str. LT-44403 Kaunas, Lithuania, www.lei.lt

- Nuclear safety, accident analysis,
- NPP systems analysis;
- Management and implementation of projects.

Business or sector Research

1990 - 1995

PhD student+ Junior Research Associate

 Lithuanian Energy Institute, 3 Breslaujos str. LT-44403 Kaunas, Lithuania, www.lei.lt

- Experimental investigation & analysis of thermal hydraulic characteristics of packed beds of spheres and cylinders (components of nuclear reactor core),
- Analysis & verification of design and operational data of Ignalina Nuclear Power Plant (NPP).

Business or sector Research

EDUCATION AND TRAINING

1990 - 1995

Doctor of Engineering Sciences

EQF Level 8f

Lithuanian Energy Institute, Kaunas, Lithuania

- Technology sciences, Energy and heat technologies

1981 - 1986

Engineer

Kaunas Polytechnic Institute (now Kaunas University of Technology), Kaunas, Lithuania

- Industrial heat energy

PERSONAL SKILLS

Mother tongue(s) Lithuanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Russian	C2	C1	C1	C1	C1
German	A2	B1	A2	A2	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills ▪ Good communication skills gained through my experience as projects manager

Organisational / managerial skills ▪ Leadership (currently managing Institute 230 employees)

Job-related skills ▪ Safety analysis for fusion and fission power plants and installations, engineering analysis of safety related systems in nuclear fusion and fission installations.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

▪ Good command of office suite (word processor, excel, presentation software)

Driving licence B

ADDITIONAL INFORMATION

Publications

Monograph:

▪ Rimkevičius, Sigita; Ušpuras, Eugenijus. Modelling of thermal hydraulic transient processes in nuclear power plants: Ignalina compartments), New York: Kaunas: Begell House Inc. Lithuanian Energy Institute, 2007. 197 p.: illustr. ISBN 9781567002478. 2007.

Together with co-authors published about 150 research publications.

Selected Recent Publications:

- Babilas, Egidijus; Dokucajev P.; Janulevičius D.; Markelov A.; Pabarčius, Raimondas; Rimkevičius, Sigita; Ušpuras, Eugenijus; Vaišnoras, Mindaugas. Innovative technologies for spent fuel safe management at Ignalina channel-type reactors (<https://doi.org/10.1016/j.net.2018.01.011>). Nuclear Engineering and Technology. ISSN 1738-5733. Vol. 50. Iss. 3. 2018. p. 504-511.
- Wolf, R.C; Ali, A; Alonso, A.; Baldzuhn, J.; Beidler, C.; Beurkens, M.; Biedermann, C.; Bosch, H.-C.; Bozhenkov, S.; Brakel, R.; Dinklage, A.; Feng, Y.; Fuchert, G.; Geiger, J.; Grulke, O.; Helander, P.; Hirsch, M.; Höfel, U.; Jakubowski, M.; Knauer, J.; Kocsis, G.; König, R.; Kornejew, P.; Krämer-Flecken, A.; Krychowiak, M.; Landreman, M.; Langenberg, A.; Laqua, H.P.; Lazerson, S.; Maaßberg,

- H.; Marsen, S.; Marushchenko, M.; Moseev, D.; Niemann, H.; Pablant, N.; Pasch, E.; Rahbarnia, K.; Schlisio, G.; Stange, T.; Sunn Pedersen, T.; Svensson, J.; Szepesi, T.; Trimino Mora, H.; Turkin, Y.; Wauters, T.; Weir, G.; Wenzel, U.; Windisch, T.; Wurden, G.; Zhang, D.; Abramovic, I.; Akäslompolo, S.; Aleynikov, P.; Aleynikova, K.; Alzbutas, Robertas; Dundulis, Gintautas; Kaliatka, Tadas; Karalevičius, Renatas; Povilaitis, Mantas; Rimkevičius, Sigitas; Urbonavičius, Egidijus. Major results from the first plasma campaign of the Wendelstein 7-X stellarator (<https://doi.org/10.1088/1741-4326/aa770d>). Nuclear fusion. ISSN 0029-5515. Vol. 57. No. 10. 2017. 102020. p. 1-13.]
- Dundulis, Gintautas; Žutautaitė, Inga; Janulionis, Remigijus; Ušpuras Eugenijus; Rimkevičius, Sigitas; Eid, Mohamed. Integrated failure probability estimation based on structural integrity analysis and failure data: Natural gas pipeline case ([dx.doi.org/10.1016/j.res.2016.08.003](https://doi.org/10.1016/j.res.2016.08.003)). Reliability Engineering & System Safety. ISSN 0951-8320. Vol. 156. 2016. p. 195–202.
 - Rimkevičius, Sigitas; Vaišnoras, Mindaugas; Babilas, Egidijus; Ušpuras, Eugenijus. HAZOP application for the nuclear power plants decommissioning projects ([doi:10.1016/j.anucene.2016.04.027](https://doi.org/10.1016/j.anucene.2016.04.027)). Annals of Nuclear Energy. ISSN 0306-4549. Vol. 94. 2016. p. 461–47.
 - Valinčius M., Žutautaitė I., Dundulis G., Rimkevičius S., Janulionis R., Bakas R. Integrated assessment of failure probability of the district heating network (<http://dx.doi.org/10.1016/j.res.2014.09.022>) // Reliability Engineering & System Safety. ISSN 0951-8320. 2015. Vol. 133. p. 314–322.
 - Dundulis G., Grybėnas A., Karalevičius R., Makarevičius V., Rimkevičius S.; Ušpuras E. Dynamic analytical and experimental research of shock absorber to safeguard the nuclear fuel assemblies // Nuclear engineering and design. ISSN 0029-5493, 2013. Vol. 260, p. 155-164.
 - Rimkevičius S., Kaliatka A., Valinčius M., Dundulis G., Janulionis R., Grybėnas A., Žutautaitė-Šeputienė I. Development of approach for reliability assessment of pipeline network systems // Applied energy. ISSN 0306-2619. 2012. Vol. 94, p. 22-33.
 - Rimkevičius S., Dundulis G., Ušpuras E., Laurinavičius D. Safety Analysis of Irradiated RBMK-1500 Nuclear Fuel Transportation in Newly Developed Container // Nuclear Engineering and Design, 2010. Vol. 240, p. 3521-3528.
 - Rimkevičius S., Ušpuras E. Experimental investigation of pebble beds thermal hydraulic characteristics // Nuclear engineering and design. ISSN 0029-5493. 2008. Vol. 238, Iss. 4, p. 940-944.

Projects

- Manager of 18 national and 15 international projects, incl. 1 project in EC programme Horizon -2020
- Researcher in EFDA Contracts of Association between the Euratom and Lithuanian Energy Institute (2007-2013).
- Researcher in EuroFusion projects partially sponsored by European Commission (2014-2016).
- Researcher in Long-term institutional R&D Programme "Scientific research of safety important processes in nuclear and nuclear fusion facilities" owned by Ministry of Education and Science of the Republic of Lithuania (2012-2016)

Memberships

- Member State Representative in the Governing Board of Fusion for Energy (from 2007).
- Member State Representative in EURATOM Consultative Committee for the Specific Research and Training Programme in the Field of Nuclear Energy (Fusion) (2010 - 2013).
- Member State Expert in EURATOM Programme Committee (Fusion) for the Research and Training Programme (2014-2018) complementing the Horizon 2020 Framework Programme for Research and Innovation (2014 - Present).

Citations

- h-index = 9