**Prof. Dr.-Ing. Dipl.-Math. Arash Ramezani**

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Arash Ramezani is the youngest professor at the University of the Federal Armed Forces in Hamburg. His Chair of High-Speed Dynamics is located within the Department of Mechanical Engineering and his work focuses on the following areas:

- Protection and safety of people, vehicles and infrastructures
- Selection of materials and optimization of armor systems
- Analysis of weapons and ammunition
- Usage and effect of explosives
- Civil and military defense systems
- Protection technologies in aerospace applications
- Vulnerability of buildings and infrastructures

Arash Ramezani studied applied mathematics at the University of Bremen and the University of Queensland in Australia. In 2010 he received his Diploma in Mathematics (Dipl.-Math.).

His professional career started as a research scientist at the University of the Federal Armed Forces in Hamburg, where he developed both active and passive systems for military camps to detect and destroy incoming artillery, rockets and mortar rounds in the air before they hit their ground targets.

Later, he participated in the doctoral program of the BMW Group. In 2015 he received the Doctor of Engineering (Dr.-Ing.) for his work entitled "Numerical Simulation of Terminal Ballistic Processes for the Analysis of Selected Armor Structures and the Optimization of Modern Security Vehicles" and graduated summa cum laude.

In the following years, Arash Ramezani was a research group leader and a habilitation candidate at the University of the Federal Armed Forces in Hamburg. He has more than 50 peer-reviewed papers in journals/conferences and supervised more than 60 students. His research interests include modelling, simulation and visualization of ballistic problems. His university lectures consist of ballistics, electro-optics and computer science.

Arash Ramezani initially attended Sixth International Conference on Advances in System Simulation in 2014. He is author of several articles presented at IARIA conferences and published in IARIA journals. Several of his conference contributions have been awarded with Best Paper Awards. He served on the technical program committee, led multiple sessions as the chairman, and reviewed papers for inclusion in the proceedings. He was also an invited speaker for 2 panels entitled “Simulation and Validation Challenges in Industrial Systems” and “Software Engineering Achievements and Their Evolution Transcending Multiple Disciplines: Celebrating 50 Years”.

Arash Ramezani supports IARIA, the International Academy, Research, and Industry Association, a non-for-profit association that promotes the advanced achievements in different scientific areas. He always enjoys the open atmosphere and the discussions at the IARIA conferences. He values the fact that they were not pure advertising events like many other international conferences. They bring together academic and industrial scientists and encourage discussions between them.

As an IARIA fellow, Arash Ramezani will continue to support the IARIA conferences, develop novel special events, and provide important input in all areas.