

# Journal Best Papers and Student Contest Papers Presentations

organized by

## ASME Safety Engineering and Risk Analysis Division (SERAD)

### Time:

Friday October 21, 2022, 09:00 AM Eastern Time / 15:00 Central European Time

Please register using the link:

<https://asme.zoom.us/meeting/register/tJcocuGsqj0pGNWTbndu-c2U95-hMYts14Vp>

### Agenda

9:00	<b>Opening</b>	Andrey Morozov
9:05	<b>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems: Parts A and B</b>	Michael Beer
	<b>Part A Winner</b>	
9:10	Global Decoupling for Structural Reliability-Based Optimal Design Using Improved Differential Evolution and Chaos Control	Ali Khodam
	<b>Part B Winner</b>	
9:30	On the Effect of the Electrical Load on Vibration Energy Harvesting Under Stochastic Resonance	Panagiotis Alevras
9:50	<b>2022 Safety Innovation Challenge Contest</b>	Stephen Ekwaro-Osire
	<b>1th place winner (undergraduate category)</b>	
9:55	RISK INTEGRATION AND COMPARISON SAFETY STUDY BETWEEN GENERATION II LIGHT WATER REACTORS AND GENERATION IV NON-LIGHT WATER REACTORS	Elijah Rushing
	<b>3rd place winner (graduate category)</b>	
10:05	DETECTION AND CLASSIFICATION OF ROBOTIC MANIPULATOR ANOMALIES USING MLSTM-FCN MODELS	Yuliang Ma
	<b>2nd place winner (graduate category)</b>	
10:20	IMPLEMENTATION OF AN RNN AND CNN-LSTM FOR TURBOFAN REMAINING USEFUL LIFE ESTIMATIONS USING THE C-MAPSS DATASETS	Colin Schell
	<b>1st place winner (graduate category)</b>	
10:35	INCIPIENT FAILURE DETECTION BASED ON MULTISCALE DIVERSITY ENTROPY	Nazir Laureano Gandur
10:50	<b>Closing</b>	Andrey Morozov
11:00	<b>Adjourn</b>	

Contact person: Prof. Andrey Morozov  
[andrey.morozov@ias.uni-stuttgart.de](mailto:andrey.morozov@ias.uni-stuttgart.de)