

Victoria Krivova

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EDUCATION

- 2022 – 2025** Polytechnic University of Milan (PoliMi)
Milan, Italy *PhD candidate in Management Engineering*
Research fields: New Space Economy, Open System Architectures, Open Innovations
- 2020 – 2022** Skolkovo Institute of Science and Technology (Skoltech)
Moscow, Russia *Master of Science in Space Systems Engineering with Honors*
Relevant courses: Systems Engineering, Spacecraft and Mission Design, Technological Entrepreneurship, Business Communication
Thesis: Multi-objective optimization framework for designing novel space mission concepts
- 2016 – 2020** Lomonosov Moscow State University (MSU)
Moscow, Russia *Bachelor in Applied Mathematics and Physics with Honors*
Thesis: Polymer membranes for CO₂ capture – stabilization of performance parameters

EXPERIENCE

- June–July’21** D-Orbit
- Jan–Mar’22** Internship in Systems Engineering and Business Development
Como, Italy
- conducted market analysis of potential stakeholders and customers for novel space mission concepts
 - built a parametric model to assess the performance and lifecycle cost of space systems for the given concepts, and proposed a technology roadmap based on the results
 - evaluated economic viability of in-space servicing mission concepts and proposed a pricing strategy
- Sep’18 – Jun’20** Topchiev Institute of Petrochemical Synthesis
Moscow, Russia *Research Assistant*
- conducted laboratory experiments to analyze the performance of membranes for CO₂ capture
 - gathered, processed and reported laboratory data obtained within experiments
 - obtained membranes with improved performance parameters

LEADERSHIP

- 2021 – 2022** Member of the AIAA Space Traffic Management Cohort “Diverse Dozen”
- the youngest leader out of 12 members selected as a representative from Russia, authored and presented an op-ed on the sustainable development of the space industry
- September, 2021** Cohort Assistant Manager - Innovation Startup Workshop at Skoltech
- supported organization of the event, managed the work of international mentors and faculty professors with student teams
- 2020 – 2021** Project Manager & Systems Engineer of Skoltech Rocketry Team
- managed the development of a rocket prototype; conducted stakeholder, requirements and risk management analyses, controlled rocket launch and recovery procedures
- 2017 – 2020** Leader of MSU International Student Club
- provided information support for exchange students, organized weekly entertaining and cultural meetings, launched language speaking clubs

SKILLS

- Skills:** programming languages (Python, Matlab, Latex); product management, modeling and simulation platforms (3DEXPERIENCE, SolidWorks, AGI System Tool Kit); methodologies (Agile, Scrum, Waterfall)
- Languages:** Russian (Native Speaker); English (Advanced/C1); German (Intermediate/B1), Italian (Elementary/A2)

PUBLICATIONS & CONFERENCE PRESENTATIONS

- [1] Krivova, V., Golkar, A., (2021). “System Architecture Study of On-Orbit Servicing Infrastructure Deployment Scenarios”, *IAC 2021 Congress Proceedings*, 72nd International Astronautical Congress (IAC), Dubai, United Arab Emirates
- [2] Fedoseev, A., Krivova, V., Kurgan, A., et al. (2021). “Model-based Technology Roadmap for Future Robotic On-Orbit Servicing”, *IAC 2021 Congress Proceedings*, 72nd International Astronautical Congress (IAC), Dubai, United Arab Emirates