

# Sofiya Savelyeva

Researcher in Cryogenics

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## PROFESSIONAL EXPERIENCE:

- 02/2018 to present **Bitzer Chair of Refrigeration, Cryogenics and Compressor Technology, TU Dresden, Germany**  
*Researcher*  
EASITrain Project within the Marie Skłodowska-Curie Programme in cooperation with CERN:  
- Development of the Turbo-Brayton cryogenic cycle with the Neon-Helium mixture as the working fluid
- 05-06/2019 **Linde Kryotechnik, Pfungen, Switzerland**  
*Researcher (Industrial Secondment within EASITrain project)*
- 09/2014-12/2017 **Bauman Moscow State Technical University, Russia**  
*Engineer*  
- Participation in projects: "Development of scientific fundamentals of low-temperature exposure dosing methods on pathologically changed biological objects of complex configuration"; "Development and study of an adsorption natural gas storage system with increased fire and explosion safety and energy efficiency";  
- Document management and laboratory work assistance
- 07-08/2014 **"MKB Fakel", Khimki, Russia**  
*Engineering Student (First Technology Practicum)*  
- Technical report on manufacturing process

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## EDUCATION:

- 09/2018 **EASISchool 1, Vienna, Austria**  
- 2-weeks course about the superconductivity and superconducting magnets
- 03/2018 **EASITrain lectures at CERN, Geneva, Switzerland**  
- 3-weeks course about the superconducting magnets, cryogenics, manufacturing techniques and project management
- 06/2017 **Air Liquide Summer School Air Liquide, Paris, France**  
- Business case presentation on the topic "Refrigerated urban food transport"
- 2015 - 2017 **Master`s Degree in Cryogenic Engineering and Technologies**  
*Bauman Moscow State Technical University, Russia*  
- Master Thesis topic «Study of unsteady heat transfer in cryogenic chambers under conditions of forced convection»  
- Graduation with honor (grade point average 5,0 of 5,0)  
- Russian Federation President Scholarship 2016/17 winner
- 08-09/2016 **European Course of Cryogenics TU Dresden, Germany; WUST, Poland; NTNU, Norway**  
- Exams score: Cryogenic Processes: 1,0/A; Cryogenic Fundamentals: 1,0/A
- 2011 - 2015 **Bachelor`s Degree in Refrigerating, Cryogenic Techniques and Life Support Systems**  
*Bauman Moscow State Technical University, Russia*  
- Graduation with honor (grade point average 5,0 of 5,0)  
- Bachelor Thesis topic: «Stationary ground air-conditioning unit for TU-204SM aircraft»  
- University Graduation Award for the best educational performance  
- Winner Certificate for the report at III International Conference «Innovative Developments in Technics and Physics of Low Temperatures»
- 2001 - 2011 **Gymnasium № 1541, Moscow, Russia**  
- High school diploma with honor; gold medal for academic excellence  
- Prizes and victories at regional competitions

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## SKILLS:

- Languages:**
- Russian (mother tongue)
  - English (fluent)
  - French (good knowledge)
  - German (beginner)
- Software:** Mathcad; AutoCAD; Inventor; SolidWorks; CATIA; Aspen HYSYS; REFPROP; CoolPack; basics of ANSYS CFX; Borland Delphi; C#; LabVIEW; PRO/II; Python
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