

LUXHERTA BUZI

Research Scientist
IBM T.J. Watson Research Center
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RESEARCH INTERESTS

Physics · Materials Science · Nuclear Fusion · Plasma Material Interactions · Surface Science · Plasma Etch Technology · Semiconductor Processing

PROFESSIONAL APPOINTMENTS

IBM T.J. Watson Research Center	2018-Present
· Research Scientist, Nanotechnology Science and Process Technology	
Princeton University	2015-2018
· Postdoctoral Research Associate, Department of Chemical and Biological Engineering	

EDUCATION

Gent University, Belgium · Université de Lorraine, France	2012-2015
PhD in Engineering Physics · PhD in Physics	
· Joint Doctoral Program in Nuclear Fusion Science and Engineering in collaboration with: Forschungszentrum Juelich (Germany), DIFFER Dutch Institute for Fundamental Energy Research (The Netherlands), University of California in San Diego (USA)	
· Thesis title: Influence of particle flux on surface modifications of tungsten	
Gent University, Belgium	2010-2012
Master of Science in Nuclear Fusion and Engineering Physics	
· European Master of Science in Nuclear Fusion and Engineering Physics in collaboration with: Royal Institute of Technology (Sweden), University Carlos III (Spain), Forschungszentrum Juelich (Germany)	
· Thesis title: Active recovery of contaminated diagnostic mirrors for ITER using plasma sputtering	
University of Tirana, Albania	2006-2010
Bachelor of Science in Physics	

SERVICE TO THE FIELD

<i>Ad Hoc Reviewer:</i> Nuclear Fusion, Journal of Applied Physics, Semiconductor Science and Technology, Journal of Nuclear Materials and Energy, Journal of Vacuum Science & Technology, Plasma Processes and Polymers	2014-Present
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AFFILIATIONS/MEMBERSHIPS

AVS Hudson Mohawk Chapter Members-at-Large	2020
American Vacuum Society	2018-Present
American Physical Society	2016-Present

AWARDS AND GRANTS

Award for best poster, 21 st International Conference on Plasma-Surface Interactions, Kanazawa, Japan	2014
Joint Doctoral Program in Nuclear Fusion Science and Engineering Scholarship	2012
European Master of Science in Nuclear Fusion and Engineering Physics Scholarship	2010