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PERSONAL

Date of Birth	1984
Place of Birth	Ankara

EDUCATION

2011-2015	Eindhoven University of Technology, Department of Physics, Ph.D.
2007-2009	Middle East Technical University, Department of Physics, M.S.
2002-2007	Middle East Technical University, Department of Physics, B.S.

ACADEMIC POSITIONS

2024-	Assistant Professor, Department of Electrics and Electronics Engineering, Atilim University, Turkey
2022-2023	Postdoctoral Researcher and Lecturer, Middle East Technical University, Department of Physics, Turkey
2021	Postdoctoral Researcher, Izmir Institute of Technology, Department of Physics, Turkey
2016-2019	Postdoctoral Researcher, Technical University of Denmark, Department of Energy, Denmark
2011-2015	Research Assistant, Eindhoven University of Technology, Department of Physics, The Netherlands
2010	Research Assistant, Fritz Haber Institute of the Max Planck Society, Germany
2007-2009	Research Assistant, Middle East Technical University, Department of Physics, Turkey

RESEARCH INTERESTS

1	Theoretical and computational condensed matter physics
2	Topological Quantum Phenomena
3	Electronic Processes in Organic Semiconductors

PUBLICATIONS

1	R. P. Fornari, M. Mesta, J. Hjelm, T. Vegge, P. de Silva, Molecular Engineering Strategies for Symmetric Aqueous Organic Redox Flow Batteries, ACS Materials Letters 2(3) 239 (2020)
2	M. Mesta, J. H. Chang, S. Shil, J. M. G. Lastra, K. S. Thygesen, A Protocol for Fast Prediction of Electronic and Optical Properties of Donor-Acceptor Polymers Using Density Functional Theory and Tight-Binding Method, J. Phys. Chem. A 123(23) 4980 (2019)
3	P. Jørgensen, M. Mesta, S. Shil, J. M. García-Lastra, K. Jacobsen, K. S. Thygesen, and M. Schmidt, Machine learning-based screening of complex molecules for polymer solar cells, J. Chem. Phys. 148(24) 241735 (2018)
4	M. Mesta, H. van Eersel, R. Coehoorn, and P.A. Bobbert, Kinetic Monte Carlo modeling of the efficiency roll-off in a multilayer white OLED, Appl. Phys. Lett. 108 133301 (2016)
5	M. Mesta, J. Cottaar, R. Coehoorn, and P.A. Bobbert, Study of charge-carrier relaxation in a disordered organic semiconductor by simulating impedance spectroscopy, Appl. Phys. Lett. 104 213301 (2014)
6	M. Mesta, C. Schaefer, J. de Groot, J. Cottaar, R. Coehoorn, and P.A. Bobbert, Charge-carrier relaxation in disordered organic semiconductors studied by dark injection: Experiment and modeling, Phys. Rev. B 88 174204 (2013)
7	M. Mesta, M. Carvelli, R. J. de Vries, H. van Eersel, J. J. M. van der Holst, M. Schober, M. Furno, B. Lussem, K. Leo, P. Loebl, R. Coehoorn, and P. A. Bobbert, Molecular-scale simulation of electroluminescence in a multilayer hybrid white OLED, Nature Mater. 12 652 (2013)

PROJECTS

1	Identification of Topological Electronic States in Semimetals and Insulators Based on First-Principles Calculations Co-Funded Brain Circulation Scheme 2 (A Marie Skłodowska-Curie Actions Cofund program) TÜBİTAK-2236, Granted May 2021–Jul 2023. ID 120C215

CONFERENCE PRESENTATIONS

1	Department Seminars, Izmir Institute of Technology, Department of Physics, İzmir, Nov 2020
2	International Conference of Synthetic Metals, Turku, Finland, Jul 2014
3	SPIE Photonics Europe, Brussels, Belgium, Apr 2014
4	FOM Congress, Veldhoven, The Netherlands, Jan 2014
5	Dutch Polymer Days, Lunteren, The Netherlands, Mar 2013

CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	297
H-index (ISI Web of Science):	7