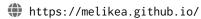
Melike Aydınlılar



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Employment History

2024 -	Postdoctoral Researcher, Inria Centre at Université Côte d'Azur, France	
2019 – 2023	PhD Student, Inria, Loria. Nancy, France.	
2015 – 2018	Research Assistant, Department of Computer Engineering, METU. Ankara, Turkey.	
2014 - 2014	Software Developer, Reo-Tek Simulation,Interactive Presentation and Exhibit Design. Ankara, Turkey.	
2013 – 2013	Student Lab Assistant, Department of Computer Engineering, METU. Ankara, Turkey.	

Education

2019 – 2024	Ph.D., Université de Lorraine. Nancy, France
	Thesis title: Implicit modeling for additive manufacturing.
	Advisors: Sylvain Lefebvre, Cédric Zanni
2015 – 2018	M.Sc. Computer Science, Middle East Technical University (METU). Ankara, Turkey
	Thesis title: Part-based data-driven shape interpolation.
	GPA: 3.5 / 4.0
2010 - 2015	B.Sc. Computer Engineering, Middle East Technical University (METU). Ankara, Turkey
	GPA: 3.3 / 4.0.

Publications

Journal Articles

- [1] M. Aydinlilar and C. Zanni, "Forward inclusion functions for ray-tracing implicit surfaces," Computers & Graphics (Proc. of SMI 2023), 2023. DOI: 10.1016/j.cag.2023.05.026. URL: https://inria.hal.science/hal-04129922v2.
- [2] M. Aydınlılar and C. Zanni, "Fast ray tracing of scale-invariant integral surfaces," *Computer Graphics Forum*, 2021. ODOI: 10.1111/cgf.14208. OURL: https://hal.inria.fr/hal-03169283.
- [3] M. Aydınlılar and Y. Sahillioğlu, "Part-based data-driven 3d shape interpolation," *Computer-Aided Design*, 2021. O DOI: 10.1016/j.cad.2021.103027.

Conference Proceedings

- [4] M. Aydınlılar and C. Zanni, "Transparent rendering and slicing of integral surfaces using per-primitive interval arithmetic," in *Eurographics 2022 Short Papers*. *§* DOI: 10.2312/egs.20221027.
- [5] Y. Sahillioğlu and M. Aydınlılar, "Shape interpolation via multiple curves," in *Pacific Graphics Posters*, The Eurographics Association, 2018, ISBN: 978-3-03868-074-1. ODOI: 10.2312/pg.20181292.

Skills

Programming	C/C++, Python, R, GLSL.
Tools	Unity ₃ D, Blender.
Languages	English (fluent), French (intermediate), Italian (basic), Turkish (native).

Conference Talks

SMI 2023, Genoa, Italy	Shape Modeling International – International Geometry Summit (IGS) 2023. Forward inclusion functions for ray-tracing implicit surfaces.
j.FIG 2023, Montpellier, France	Les journées Françaises de l'Informatique Graphique 2023. Forward inclusion functions for ray-tracing implicit surfaces.
Eurographics 2022, Reims, France	Eurographics 2022. Fast ray-tracing of scale-invariant integral surfaces.
	Eurographics Short Papers 2022. Transparent rendering and slicing of integral surfaces ising per-primitive interval arithmetic.
j.FIG 2021, Sophia Antipolis, France	Les journées Françaises de l'Informatique Graphique 2021. Fast ray-tracing of scale-invariant integral surfaces.

Miscellaneous Experience

Awards and Achievements

2015–2018 Graduate Scholarship. Scientific and Technological Research Council of Turkey.
2010–2016 METU Achievement Grant. Scholarship for top 100 students at the entrance exam.
KYK Achievement Grant. Scholarship for top 100 students at the entrance exam.