

Moonisa Ahsan, PhD.

• [GScholar](#) • [LinkedIn](#) • [Portfolio](#)

Research Interests	Computer Graphics, Interface Design, Human-Computer-Interaction, Cultural Heritage, Digital Art and Illustrations.	
Education	<ul style="list-style-type: none"> • PhD, Informatics / Marie Skłodowska-Curie Fellow October 2019 - Present Università degli Studi di Cagliari, Italy. <i>Research Topic:</i> Scalable exploration of complex objects and environments beyond plain visual replication 	
	<ul style="list-style-type: none"> • MS, Information Technology 2016 - 2018 University of Lahore, Pakistan. 	

Journal Articles

1. **Audio-visual annotation graphs for guiding lens-based scene exploration** [\[PDF\]](#)
[Moonisa Ahsan](#), Fabio Marton, Ruggero Pintus, Enrico Gobbetti. In the Special Section on STAG21. Computers & Graphics, May 2022. DOI: [j.cag.2022.05.003](#)
2. **A novel approach for exploring annotated data with interactive lenses.** [\[PDF\]](#)
Fabio Bettio, [Moonisa Ahsan](#), Fabio Marton, and Enrico Gobbetti. Computer Graphics Forum, 40(3): 387-398, 2021. Proc. EUROVIS 2021. DOI: [10.1111/cgf.14315](#).
3. **Web-based Exploration of Annotated Multi-Layered Relightable Image Models** [\[PDF\]](#)
Alberto Jaspe Villanueva, [Moonisa Ahsan](#), Ruggero Pintus, Andrea Giachetti, and Enrico Gobbetti. ACM Journal on Computing and Cultural Heritage, 14(2): 24:1-24:31, May 2021. DOI: [10.1145/3430846](#).

Research Publications

Conference Papers

4. **Guiding Lens-based Exploration using Annotation Graphs** [\[PDF\]](#)
[Moonisa Ahsan](#), Fabio Marton, Ruggero Pintus, and Enrico Gobbetti. In Proc. Smart Tools and Applications in Graphics (STAG). Pages 85-90, October 2021.
DOI: [10.2312/stag.20211477](#). *Honorable mention in best paper awards
5. **Exploiting Neighboring Pixels Similarity for Effective SV-BRDF Reconstruction from Sparse MLICs** [\[PDF\]](#)
Ruggero Pintus, [Moonisa Ahsan](#), Fabio Marton, and Enrico Gobbetti. In The 19th Eurographics Workshop on Graphics and Cultural Heritage, November 2021.
DOI: [10.2312/gch.20211412](#). *Best paper award at GCH 2021.
6. **Ebb & Flow: Uncovering Costantino Nivola's Olivetti Sandcast through 3D Fabrication and Virtual Exploration** [\[PDF\]](#)
Giuliana Altea, Fabio Bettio, [Moonisa Ahsan](#), Marco Callieri, et. al., In The 20th Eurographics Workshop on Graphics and Cultural Heritage, September 2022. To appear.

- [Researcher](#) - September 2019 to October 1st, 2022.
CRS4 (Sardinia, Italy.)
Funded by [EU H2020 Evocation](#) MSCA-ITN-813170
- **University Lecturer** - September 2015 to June 2019
Government Women University Sialkot, Pakistan.
- **Graphics Designer** - November 2014 to June 2019.
Plagiarism Checker X, LLC.

- Technical Skills**
- **Design:** Vector Graphics & Illustrations, Prototyping and Wireframing (Figma),
 - **Code:** HTML, CSS, JavaScript,
 - **Edit:** Image Editing & Manipulation (Raster / Vector Graphics),
Video Editing (Script, Recording, Voiceover, Editing, Dissemination).
 - **Web:** Digital Content Design (Social Media Posts, Banners, Presentations, and Posters).

Language Proficiency

English [Proficient/Fluent]
Urdu [Native] Punjabi [Native]

- Volunteer & Extra-Curricular Activities**
1. **Student Mentoring**– Learn & Teach Beyond Grades (2017-2022)
 2. **Stage Secretary** for Annual Sports Gala @ GC University Sialkot (2018)
 3. **Stage Secretary** for Annual Sports Day @ GC University Sialkot (2017)
 4. **Computer Trainer** – 3rd Export Orientation Program (July 2016)
 5. **Computer Trainer** – 2nd Export Orientation Program (March 2016)
 6. **Workshop Trainer** - Launching Final Year Project (October 2016)
 7. **Workshop Trainer** - Getting Started with UX (October 2016)
 8. **Stage Secretary** for SME Finance Mela – State Bank of Pakistan (2015)
 9. **Stage Secretary** for Exhibition for Women – By Women (GCWUS & SCCI, 2015.)

REFERENCES

Prof. Riccardo Scateni
Associate Professor, Computer Science Dept,
University of Cagliari, Italy.
riccardo@unica.it

Dr. Enrico Gobbetti
Director Visual and Data-intensive Computing
(ViDiC), CRS4, Italy.
gobbetti@crs4.it

Additional Info

Current Residence: _____ Nationality: _____
DoB: _____ Age: _____

- Availability & Preferences**
- Currently I hold a Marie-Curie Fellowship Contract (in Italy) till 1st October, 2022.
 - Looking for both research and academic positions in related domains.
 - Open for international mobility/relocation.
 - Specific details could be provided on demand or ideally discussed in a call.