

Arham Muslim

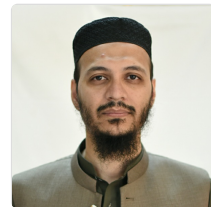
Assistant Professor

School of Electrical Engineering and Computer Science

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About

Dr. Arham Muslim is working as Assistant Professor in the School of Electrical Engineering and Computer Science. Dr. Arham Muslim has a PhD in Learning Analytics. Dr. Arham Muslim has published 24 research articles & conference papers having a citation count of 66, carried out 2 projects and filed 0 intellectual property.

Qualifications

PhD in Learning Analytics Rheinisch Westfälische Technische Hochschule Aachen , Germany	2012 - 2019
MSc in Wireless Sensor Networks Rheinisch Westfälische Technische Hochschule Aachen , Germany	2008 - 2011
BSc in Software Engineering UET Taxila , Pakistan	2003 - 2006

Experience

Assistant Professor School of Electrical Engineering and Computer Science	2020- Present
Postdoctoral Researcher University of Duisburg-Essen , Forsthausweg 2, 47057 Duisburg, Germany	2018 - 2020
Research Assistant / Developer RWTH Aachen University , Templergraben 55, 52062 Aachen, Germany	2012 - 2018
Software Engineer Fraunhofer Institute for Production Technology IPT , Steinbachstraße 17, 52074 Aachen, Germany	2008 - 2012
Software Developer Zultec , Jeddah, Saudi Arabia	2007 - 2008

Research Projects

National Projects	
Augmented Reality Based Immersive Interior Designer ARIID Funding Agency: IGNITE Amount: PKR 11,086.00 Status: Completed	2025
SCIVERSE II a chemical laboratory system developed in Virtual Reality with a Guided Learning Funding Agency: N/A Amount: PKR 83,147.00 Status: Completed	

International Projects

Research Articles

- Visualization for Recommendation Explainability: A Survey and New Perspectives** 2024
Mohamed Amine Chatti Mouadh Guesmi Arham Muslim
ACM Transactions on Interactive Intelligent Systems, Volume 14, Issue 3, Article No. 19, Pages 1-40
Impact Factor: 3.600 | **Quartile:** 2 | **Citations:** 8
DOI: <https://doi.org/10.1145/3672276>
- Examining the Need for an Integrated Framework: Exploring the Intersection of Technological Pedagogical Content Knowledge (TPACK) in Entrepreneurship Competency Development, STEAM Education, and Gamification** 2023
Saira Iftikhar Virdah Farooq Arham Muslim Tahira Anwar Lashari Ijaz Khan Sana Anwar Lashari Faiqa Naeem Maheen Zahra Javed
Journal of Xi'an Shiyu University, Natural Sciences Edition, Volume 19, Issue 06, Pages 1-11
Impact Factor: 0.00
DOI: 1673-064X
- Supporting Indicator Personalization and Platform Extensibility in Open Learning Analytics** 2021
Arham Muslim Mohamed Amine Chatti Ulrik Schroeder
Technology Knowledge and Learning, Pages 1-20
Impact Factor: N/A | **Citations:** 1
DOI: 10.1007%2FS10758-021-09543-0
- The PERLA Framework: Blending Personalization and Learning Analytics** 2019
Arham Muslim Mohamed Amine Chatti Mohamed Amine Chatti
International Review of Research in Open and Distance Learning, Volume 20, Number 1, Pages 243-261
Impact Factor: - | **Citations:** 31
DOI: <https://doi.org/10.19173/irrodl.v20i1.3936>
- A Modular and Extensible Framework for Open Learning Analytics** 2018
Arham Muslim Mohamed Amine Chatti Muhammad Bassim Bashir Oscal Eduardo Barrios Varela Ulrik Schroeder
Journal of Learning Analytics, Volume 5(1), Pages 92-100
Impact Factor: N/A
DOI: <https://doi.org/10.18608/jla.2018.51.7>
- CONFab: Ontology and component based optimization of WSN protocol stacks with deployment feedback** 2014
Arham Muslim Junaid Ansar Elena Meshkova Wasif Masood Janne Riihijärvi Petri Mähönen
Computer Networks, Volume 74, Part A, Pages 89-108
Impact Factor: 1.256 | **Quartile:** 2 | **Citations:** 1
DOI: <https://doi.org/10.1016/j.comnet.2014.08.018>
- Learning Analytics: Challenges and Future Research Directions** 2014
Mohamed Amine Chatti Vlatko Lukarov Hendrik Thüs Ahmed Mohamed Fahmy Yousef Usman Wahid Christoph Greven Arnab Chakrabarti Ulrik Schroeder
Arham Muslim
E-Learning & Education (eleed), Volume 10 (1), Pages 1-15
Impact Factor: N/A
DOI: <https://eleed.campussource.de/archive/10/4035>

Conference Proceedings

- Development of Predictive Model for Student Learning Outcomes based on Spatial Learning Analytics of Open and Distance Learning students** 2023
Hajrah Amir Kamran Mir Ali Tahir Salman Atif Arham Muslim
The 36th Asian Association of Open Universities Annual Conference- AAOU 2023 Istanbul, Türkiye res.country(177,)
Citations: N/A
DOI: Nil
- Is More Always Better? The Effects of Personal Characteristics and Level of Detail on the Perception of Explanations in a Recommender System** 2022
Mohamed Amine Chatti Mouadh Guesmi Laura Vorgerd Thao Ngo Shoeb Joarder Qurat Ul Ain Arham Muslim
30th ACM Conference on User Modeling, Adaptation and Personalization, res.country(68,)
Citations: N/A
DOI: 10.1145/3503252.3531304
- Explaining User Models with Different Levels of Detail for Transparent Recommendation: A User Study** 2022

<p><i>Mouadh Guesmi Mohamed Amine Chatti Laura Vorgerd Thao Ngo Shoeb Joarder Qurat Ul Ain Arham Muslim</i> <i>UMAP2022 - Adjunct Proceedings of the 30th ACM Conference on User Modeling, Adaptation and Personalization</i>, res.country(68,)</p> <p>Citations: N/A DOI: 10.1145/3511047.3537685</p>	
<p>Input or Output: Effects of Explanation Focus on the Perception of Explainable Recommendation with Varying Level of Details</p> <p><i>Mouadh Guesmi Mohamed Amine Chatti Laura Vorgerd Shoeb Ahmed Joarder Qurat Ul Ain Thao Ngo Shadi Zumor Yiqi Sun Fangzheng Ji Arham Muslim</i> <i>8th Joint Workshop on Interfaces and Human Decision Making for Recommender Systems</i>, res.country(165,)</p> <p>Citations: N/A DOI: NA</p>	2021
<p>SIMT: A Semantic Interest Modeling Toolkit</p> <p><i>Mohamed Amine Chatti Fangzheng Ji Mouadh Guesmi Arham Muslim Ravi Kumar Singh Shoeb Ahmed Joarder</i> <i>29th ACM Conference on User Modeling, Adaptation and Personalization (UMAP '21)</i>, res.country(165,)</p> <p>Citations: N/A DOI: 10.1145/3450614.3461676</p>	2021
<p>On-demand Personalized Explanation for Transparent Recommendation</p> <p><i>Mohamed Amine Chatti Laura Vorgerd Shoeb Joarder Shadi Zumor Yiqi Sun Fangzheng Ji Mouadh Guesmi Arham Muslim</i> <i>29th ACM Conference on User Modeling, Adaptation and Personalization</i>, res.country(165,)</p> <p>Citations: N/A DOI: 10.1145/3450614.3461676</p>	2021
<p>Open, Scrutable and Explainable Interest Models for Transparent Recommendation</p> <p><i>Mouadh Guesmi Mohamed Amine Chatti Yiqi Sun Shadi Zumor Fangzheng Ji Arham Muslim Laura Vorgerd Shoeb Ahmed Joarder</i> <i>26th ACM Conference on Intelligent User Interfaces (IUI) 2021 Workshops</i>, res.country(233,)</p> <p>Citations: N/A DOI: NA</p>	2021
<p>How to Design Effective Learning Analytics Indicators? A Human-Centered Design Approach</p> <p><i>Mohamed Amine Chatti Arham Muslim Mouadh Guesmi Florian Richtscheid Dawood Nasimi Amin Shahin Ritesh Damera</i> <i>15th European Conference on Technology Enhanced Learning</i>, res.country(57,)</p> <p>Citations: N/A DOI: https://doi.org/10.1007/978-3-030-57717-9_22</p>	2020
<p>A Review of Explanatory Visualizations in Recommender Systems</p> <p><i>Mouadh Guesmi Mohamed Amine Chatti Arham Muslim</i> <i>10th International Conference on Learning Analytics & Knowledge (LAK20)</i>, res.country(57,)</p> <p>Citations: N/A DOI: NA</p>	2020
<p>The Goal - Question - Indicator Approach for Personalized Learning Analytics</p> <p><i>Arham Muslim Mohamed Amine Chatti Memoona Mughal Ulrik Schroeder</i> <i>9th International Conference on Computer Supported Education</i>, res.country(183,)</p> <p>Citations: N/A DOI: 10.5220/0006319803710378</p>	2017
<p>A Rule-Based Indicator Definition Tool for Personalized Learning Analytics</p> <p><i>Arham Muslim Mohamed Amine Chatti Ulrik Schroeder Tanmaya Mahapatra</i> <i>Sixth International Conference on Learning Analytics & Knowledge (LAK '16)</i>, res.country(231,)</p> <p>Citations: N/A DOI: https://doi.org/10.1145/2883851.2883921</p>	2016
<p>Data Models in Learning Analytics</p> <p><i>Vlatko Lukarov Mohamed Amine Chatti Hendrik Thüs Fatemeh Salehian Kia Arham Muslim Christoph Greven Ulrik Schroeder</i> <i>12th e-Learning Conference of the German Computer Society (DeLFI 2014)</i>, res.country(57,)</p> <p>Citations: N/A DOI: NA</p>	2014
<p>Supporting action research with learning analytics</p> <p><i>A. L. Dyckhoff Vlatko Lukarov Arham Muslim Mohamed Amine Chatti Ulrik Schroeder</i> <i>Third International Conference on Learning Analytics & Knowledge (LAK '13)</i>, res.country(20,)</p> <p>Citations: N/A</p>	2013

Book Chapters

<p>Designing Theory-Driven Analytics-Enhanced Self-Regulated Learning Applications</p> <p><i>Mohamed Amine Chatti Volkan Yücepur Arham Muslim Mouadh Guesmi Shoeb Joarder</i></p> <p>In: <i>Book on Visualizations and Dashboards for Learning Analytics</i>, 1st Edition, Chapter 3, Pages 47-68</p> <p>Citations: N/A</p> <p>DOI: 10.1007/978-3-030-81222-5_3</p>	2021
<p>The LAVA Model: Learning Analytics Meets Visual Analytics</p> <p><i>Mohamed Amine Chatti Arham Muslim Manpriya Guliani Mouadh Guesmi</i></p> <p>In: <i>Book on Adoption of Data Analytics in Higher Education Learning and Teaching</i> Chapter 5, Pages 71-93</p> <p>Citations: N/A</p> <p>DOI: 10.1007%2F978-3-030-47392-1_5</p>	2020
<p>Open Learning Analytics: A Systematic Literature Review and Future Perspectives</p> <p><i>Arham Muslim Mohamed Amine Chatti Mouadh Guesmi</i></p> <p>In: <i>Artificial Intelligence Supported Educational Technologies</i>, Chapter 1, Pages 3-29</p> <p>Citations: N/A</p> <p>DOI: 10.1007%2F978-3-030-41099-5_1</p>	2020
<p>Toward an Open Learning Analytics Ecosystem</p> <p><i>Mohamed Amine Chatti Arham Muslim Ulrik Schroeder</i></p> <p>In: <i>Book on Big Data and Learning Analytics in Higher Education</i>, Chapter 12, Pages 195-219</p> <p>Citations: 25</p> <p>DOI: 10.1007%2F978-3-319-06520-5_12</p>	2016

Editorial Activities

Int J of Human-Computer Studies Reviewed Papers for Journals Impact Factor: 5.1	2025
Medical Education Reviewed Papers for Journals Impact Factor: 5.2	2025
Computer Science Review Reviewed Papers for Journals Impact Factor: 13.3	2025
Frontiers in Communication Reviewed Papers for Journals Impact Factor: 1.5	2024
 Reviewed Papers for Journals Impact Factor: 11.182	2022
 Reviewed Papers for Journals Impact Factor: 3.35	2022
 Reviewed Papers for Journals Impact Factor: 3.35	2021
 Reviewed Papers for Journals Impact Factor: NA	2021
 Reviewed Papers for Journals Impact Factor: NA	2021
 Reviewed Papers for Journals Impact Factor: NA	2021
 Reviewed Papers for Journals Impact Factor: NA	2021

Trainings

Advanced AI Bootcamp on Large Language Models (LMM) Partner: Ashar Aziz Foundation (SkyLabs) Duration: 30-May-2024 to 29-Aug-2024	2024
Advanced AI Bootcamp on Deep Neural Networks (DNN) Partner: Ashar Aziz Foundation Duration: 11-Aug-2023 to 17-Nov-2023	2023