Dr Tariq Zaman

Affiliation: University of Technology Sarawak (UTS), Sibu, Sarawak, Malaysia

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Current position: Associate Professor of Computer Science and Director of the Advanced Centre for
Sustainable Socio-Economic and Technological Development (ASSET) in University of Technology Sarawak, Malaysia

University Education

- 2009–2013 PhD in Computer Science, University Malaysia Sarawak
- 2006–2009 MS-CS (equal to M. Phil.), University of Science and Technology Bannu, Pakistan

Work Experience

- Nov. 2019- Associate Professor, University of Technology Sarawak, Malaysia
- March 2018-September 2019 Associate Professor, CECOS University of Information
- Technology and Emerging Sciences, Peshawar Pakistan
- Nov. 2017-Aug. 2020 Project Advisor, ISITI-UNIMAS, Sarawak Malaysia
- Apr. 2017-30 Mar. 2018 Professor, Hochschule für Technik und Wirtschaft or HTW Berlin, Germany
- Jun. 2016-Oct. 2017 Lecturer, Faculty of Computer Science and Information Technology, UNIMAS, Sarawak Malaysia
- Nov. 2013-May 2016 Postdoctoral Fellow, ISITI-UNIMAS, Sarawak Malaysia

Funding and Commercialisation

Tariq has been involved in 54 projects bringing in funding of US$1265256.00 to his affiliated institutions. These include 27 international, 24 national and 3 commercialised projects (US$417476.00); of which he is heading/has headed 32 projects as principal investigator (PI).

Selected Competitive Grants Secured

- Scaling up myspeed.site: Tools for measuring the status of Internet connectivity (2023), $85000.00 funded by ISIF and APNIC, Australia
- Digitization of Indigenous Knowledge for Extended Reality and Culture (2023), €14757.00 funded by German Academic Exchange Service (DAAD)
- Indigenous Climate Observatories: Local Knowledge for Local Action (2022), SEK
- 400000.00. A collaborative project of UTS and Malmö University Sweden. Funded by the Crafoord Foundation under Research Grants 2022
- Policy and Impact Studies for Identification of Spatially Relevant Aspects of Digital Inclusion in Malaysian Borneo (2022), $20000.00 funded by the APNIC Foundation Limited, Hong Kong
- Crowdsourced Heritage Automation Mapping Platform for Sarawak (CHAMP) (2022), RM 54900.00 funded by Sarawak Development Institute (SDI), Malaysia
- Local Networks 2021 Grants (2021), $14960.00 funded by the Association for Progressive Communication, South Africa

Awards and Distinctions

- 2025 ACM Senior Member award for technical leadership, and technical or professional contributions by Association for Computing Machinery, USA

- 2022 Best Article Award for the article "Individual perceptions of climate anomalies and collective action: Evidence from an artefactual field experiment in Malaysian Borneo" by the World Development Sustainability Journal Publisher: Elsevier, United Kingdom

- Best Poster Award -2021 for the Pluriversal Design: A Virtual Decolonising Exhibition in the Communities & Technologies Conference 2021, 21-26 June 2021, Seatle, USA.

- The IFIP Brian Shackel Award 2015 for the paper Penan's Oroo Short Message Signs (PO-SMS): Co-design of a Digital Jungle Sign Language Application, 16 September 2015 Bamberg, Germany

- The IFIP Interaction Design for International Development (IDID) Award 2015, for the paper Penan's Oroo Short Message Signs (PO-SMS): Co-design of A Digital Jungle Sign Language Application, 16 September 2015 Bamberg, Germany

- SIGCHI Best of CHI Honorable Mention Award: among the top 5% of all submissions to CHI 2015: for the paper New Interaction Tools for Preserving an Old Language.

Selected Publications:

- Smith, R. C., Winschiers-Theophilus, H., de Paula, R. A., Zaman, T., & Loi, D. (2024). Towards pluriversality: decolonising design research and practices. CoDesign 20(1), 1-13.

- McMahon, R., & Zaman, T. (2024). Towards pluriversal community informatics: Connecting Indigenous communities in Borneo and Canada across time and space. Journal of Community Informatics 20(2), 1-10.

- Michnowska, P., & Zaman, T. (2024). Revitalising Indigenous Heritage Through Art Participatory Practices. In Proceedings of the Participatory Design Conference 2024: Exploratory Papers and Workshops-Volume 2 (pp. 7-12), Sibu, Sarawak. ACM, New York, NY, USA

- Liew, K. S., Zaman, T., & Azlyn William, D. (2024). Interactive Batang Oroo': A Multisensory Tool for Experiencing Oroo' Language. In Proceedings of the Participatory Design Conference 2024: Situated Actions, Doctoral Colloquium, PDC places, Communities-Volume 3 (pp. 15-18), Sibu, Sarawak. ACM, New York, NY, USA

- Zaman, T., Izzuddin Bin Hussien, N., Kreuger, B., Michnowska, P., & Azlyn William, D. (2024). IMVR: Immersive Molong in Virtual Reality. In Proceedings of the Participatory Design Conference 2024: Situated Actions, Doctoral Colloquium, PDC places, Communities-Volume 3 (pp. 1-2), Sibu, Sarawak. ACM, New York, NY, USA

- Michnowska, P. K., & Zaman, T. (2024). Storytelling with the Penan people in Borneo. Situated participatory action through a multi-site community mural. In Proceedings of the Participatory Design Conference 2024: Situated Actions, Doctoral Colloquium, PDC places, Communities-Volume 3 (pp. 27-30), Sibu, Sarawak. ACM, New York, NY, USA

- Reitsma, L., Azlyn William, D., Dludlu, M. N., Sibandze, G., Taele, M., Tseole, C., & Zaman, T. (2024). Assembling Indigenous Climate Observatories-Local knowledge for Local Action. In Proceedings of the Participatory Design Conference 2024: Situated Actions, Doctoral Colloquium, PDC places, Communities-Volume 3 (pp. 48-51), Sibu, Sarawak. ACM, New York, NY, USA

- Zaman, T. (2023) Lost in Afghanistan: Can the world take ICT4D seriously. Communications of the ACM Association for Computing Machinery. https://doi.org/10.1145/3574156

- Zaman, T., Kreuger, B., Venden, M., Pitah, T. & Diana (2023) Ingá Telikit: A Virtual Reality game for learning Penan's hunting techniques, In: Abdelnour Nocera, J., Kristín Lárusdóttir, M., Petrie, H., Piccinno, A., Winckler, M. (eds) Human-Computer Interaction – INTERACT 2023. Lecture Notes in Computer Science, 14144. Springer, Cham. https://doi.org/10.1007/978-3-031-42293-5_26

- van Gevelt, T., Zaman, T., Chan, N.K., Bennett, M. (2022). How do individual perceptions of climate anomalies affect collective action? Evidence from an artefactual field experiment in Malaysian Borneo. World Development Sustainability. https://doi.org/10.1016/j.wds.2022.100031

- Allred, S., Harris, R., Zaman, T., Kulathuramaiyer, N., & Jengan, G. (2022) Cultural resilience in the face of globalization: Lessons from the Penan of Borneo. Human Ecology. doi: 10.1007/s10745-022-00319-3

- Winschiers-Theophilus, H., Goagoses, N., Rötkönen, E., & Zaman, T. (2021). Pushing political, cultural, and geographical boundaries: Distributed Co-Design with children from Namibia, Malaysia and Finland. International Journal of Child-Computer Interaction, 100439