

CV Irmasari Hafidz

Personal Information

Laboratory : Advanced VR Research Centre (AVRRC), The Wolfson School of Mechanical, Electrical, and Manufacturing Engineering
<https://www.lboro.ac.uk/schools/meme-dev-2023/staff/phd/irmasari-hafidz/>
Institution : Loughborough University, UK | <https://www.lboro.ac.uk/research/avrrc/>
Research Interest : computational social science, information systems, open data, data science
Linkedin <https://www.linkedin.com/in/irmasarihafidz/>
Scholar <https://scholar.google.co.id/citations?user=7LWDMRQAAAAJ&hl=en>
ORCID <https://orcid.org/0000-0002-9148-712X>
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Education

- 2019-on going PhD Student, (started Nov 2019) **Advanced VR Research Centre (AVRRC), The Wolfson School of Mechanical, Electrical, and Manufacturing Engineering, United Kingdom**
Topics: Health/Clinical Text Processing in Social Media using NLP
Supervisor: Dr. Melanie King
- 2008-2011 Master of Science in School of Management and Governance (SMG), **Universiteit Twente, The Netherlands** *Major:* Business Information Technology
Thesis title: Application of TETRAD in information systems theory development using knowledge sharing literature: case-study based approach <http://essay.utwente.nl/62920/>
Supervisor: **Prof. Dr. Roland Müller** (Visiting Professor at SMG UTwente, now Professor at Berlin School of Economics), Co-Supervisor: **Dr. Mannes Poel** (HCI/EEMCS, UTwente)
- 2003-2007 Bachelor Degree in Department of Information Systems, **Institut Teknologi Sepuluh Nopember (ITS) Indonesia**
Major: Decision Support Systems and Business Intelligence. GPA: 3,47

Academic Reference:

1. **Dr. Melanie King BA (Hons), PhD, SFHEA**, Senior Lecturer in Systems Engineering, Wolfson School of Mechanical, Electrical and Manufacturing Engineering, Loughborough University | <https://www.lboro.ac.uk/research/avrrc/people/>
2. **Mahendrawathi ER, Ph.D.**, Professor, Dept. of Information Systems, ITS, Indonesia. Contact: mahendra_w@is.its.ac.id | <https://scholar.google.com/citations?hl=en&user=4y4O1jkAAAAJ>
3. **Nur Aini Rakhmawati, Ph.D.**, Associate Professor, Dept. of Information Systems, ITS, Indonesia Contact: nur.aini@is.its.ac.id | <https://scholar.google.co.id/citations?user=Nbqq79EAAAAJ&hl=en&authuser=1>

Scholarships

- 2019 Full PhD Scholarships/Studentships (4 years) at Advanced VR Research Centre, Loughborough University, UK. A grant from the Ministry of Directorate Higher Education (DGHE) or DIKTI, Republic of Indonesia
- 2009 University of Twente Student Delegation, 10 Days Participation at MILMUN (Milan Model United Nations), Milan – Italy. Grant (partial) from University of Twente
- 2008 Full Master Scholarships, University of Twente, the Netherlands. A grant from Ministry of Directorate Higher Education (DGHE) or DIKTI, Indonesia

Travel Grant & Award

- 2015 **Semi-finalist of #JktUrbanChallenge** from New Cities Foundation, for a team project called: CekPolusi <https://newcities.org/wpcontent/uploads/2015/05/PR-Jakarta-Urban-Challenge-Finalists.pdf>
- 2017 **NUMFocus, MIT (\$2,960)** – Grant for Participation at JuliaCon, 20-24th June 2017 at UC Berkeley, Berkeley, California, USA
- 2022 **WES Travel Fund (200 GBP)** – Grant from LU Women in Engineering Society Travel Bursary, Loughborough University, for participating at CardiffNLP, Cardiff University, Wales – UK, 30th June – 1 July, 2022 <https://www.cardiffnlpworkshop.org/schedule>
- 2022 **Society of Research Software Engineers UK (RSE UK) (250GBP)** – Travel Bursaries award for early career researchers and postgraduate students to attend **RSECon22** at Newcastle Helix, Newcastle University
- 2023 **Turing Way Book Dashes, The Alan Turing Institute (at cost)** in person workshop at The Alan Turing Institute/ British Library, 22-26th May 2023 – Travel grant, to fully participate the workshop (*accommodation, travel and food*)
- 2023 **MapReader Workshop – Living with Machines, The Alan Turing Institute (at cost)** in person workshop at The Alan Turing Institute/ British Library. 7-8th June 2023 – Travel grant, to fully participate the workshop (*accommodation, travel and food*)
- 2023 **CIFAR Inclusive AI Scholarship**, MILA - the Quebec Artificial Intelligence Institute, Montreal, Canada (3050\$ CAD)

Publication: Journal

- 2021 Nur Aini Rakhmawati, Tetha Valianta, [Irmasari Hafidz](#), Azmi Pratama, Doddy Ridwandono and Lolanda Annisa, *“What are inside the mind of teenagers on Instagram?”* (Accepted, peer reviewed, in press), International Journal of Business Information Systems DOI: 10.1504/IJBIS.2020.10019634 <https://www.inderscience.com/info/ingeneral/forthcoming.php?icode=ijbis#81237>
- 2021 Nur Rakhmawati, Faiz NF, [Irmasari Hafidz](#), Indra Raditya, Pande Dinatha, Andrianto Suwignyo, *“Clustering Student Instagram accounts using Author-Topic Model Based”* (Accepted, peer reviewed, in press), International Journal of Business Intelligence and Data Mining, DOI: 10.1504/IJBIDM.2020.10020280 <https://www.inderscience.com/info/ingeneral/forthcoming.php?icode=ijbidm#81872>
- 2020 (In Indonesian) Nur Aini Rakhmawati, Rheindra Alfahizi, [Irmasari Hafidz](#). Penerapan Social Network Analysis dengan Menggunakan Metode Sociomatrix pada Akun Instagram Siswa SMA di Surabaya. Jurnal Sistemasi Vol. 9 No.2 E-ISSN :2540 – 9719 <http://sistemasi.ftik.unisi.ac.id/index.php/stmsi/article/view/807>
- 2019 (In Indonesian) [Hafidz, I.](#), Mirfak, A., Azhari, A., Adianto, A. I., Fuad, B. H., & Farabi, M. I. (2019). *Rancang Bangun Dashboard Dan Visualisasi Data Kickstarter Dengan Pendekatan Business Intelligence*. SISFO VOL 8 NO 2, 2. <https://doi.org/10.24089/i.sisfo.2019.01.005>

Publication: Conference

- 2023 **Paper**, Gamal Akbar Adzanni, Nur Aini Rakhmawati, [Irmasari Hafidz](#), *“Open Data Portal Quality (ODPQ) Framework Based Metric for Assessing the Quality of Open Data Portals in Indonesian Local Governments”*, 2023 International Conference on Smart-Green Technology in Electrical and Information Systems (ICSGTEIS), IEEE. Accepted and presented, 15th Nov 2023, Udayana

- University, Bali, Indonesia, *waiting for publication*
- 2020 **Paper**, Handayani, K. D. M. E., U. F. Kurniawati, and I. Hafidz. "GHG Inventory on energy sector using mobile application in Surabaya City: some challenges and opportunities." In IOP Conference Series: Earth and Environmental Science, vol. 562, no. 1, p. 012024. IOP Publishing, 2020. The link at <https://iopscience.iop.org/article/10.1088/1755-1315/562/1/012024/meta>
- 2017 **Paper**, Irmasari Hafidz, Alvin Rahman Kautsar, Tetha Valianta, and Nur Aini Rakhmawati. "Teenstagram TimeFrame: A Visualization for Instagram Time Dataset from Teen Users (Case Study in Surabaya, Indonesia)." Procedia Computer Science 124 (2017): 100-107. The link at: <https://www.sciencedirect.com/science/article/pii/S1877050917329034>
- 2017 **Paper**, Tony Dwi Susanto, Made Mira Diani, and Irmasari Hafidz. "User Acceptance of e-Government Citizen Report System (a Case Study of City113 App)." Procedia Computer Science 124 (2017): 560-568. The link at: <https://www.sciencedirect.com/science/article/pii/S1877050917329587>
- 2016 **Paper**, Irmasari Hafidz, Kadek Hari Baskara and Nur Aini Rakhmawati, "CekPolusi: A Web Application Development for Visualizing Air Pollution Data (Case Study: The City of Surabaya)", 4th AUN/SEED-NET REGIONAL CONFERENCE ON NATURAL DISASTER 2016 (RCND 2016), Universiti Teknologi Malaysia, Kuala Lumpur, Malaysia, Link at: <http://mjiit.utm.my/rcnd2016/files/2016/09/Final-RCND-Program.pdf>
- 2016 **Paper**, Renny Pradina Kusumawardani, Irmasari Hafidz, Septa Firmansyah Putra, BencanaVis Visualization and Clustering of Disaster Readiness Using K Means and AHP with R Shiny--A Case Study for Disaster, Medical Personnel and Health Facilities Data at Province Level in Indonesia, The 10th ICTS, Informatics Department, ITS, Oct, 12th 2016, Surabaya. The link at: <http://ieeexplore.ieee.org/document/7910295/>
- 2016 **Poster Paper**, Abstract, Nur Aini Rakhmawati, Irmasari Hafidz, Renny P. Kusumawardani, Radityo P. Wibowo, "CITY113: A Mobile Application to Improve Public Participation in Surabaya City Development for Better Governance", Excellent Science in ASEAN Vol.2, ISBN: 978-963-12-5525-6, Regional Centre for Information & Scientific Development (RCISD), Budapest. http://rcisd.eu/wp-content/uploads/2013/10/excellent_science_in_asean_vol_2.pdf
- 2016 **Paper**, Nur Aini Rakhmawati, Irmasari Hafidz, Renny P. Kusumawardani, Radityo P. Wibowo, "Towards Surabaya as An Open Data City", Proceeding, Scientific Meeting ASEAN-UNINET International Workshop (The ASEAN European Academic University Network) Bali, February 15th, 2016, Udayana University, Widya Sabha, Campus Bukit Jimbaran, Key Area: Science and Technology

Training & Workshop

- 2023 Data science workflows in JavaScript from **ObservableHQ** (online), 11th and 18th July 2023
- 2023 **NLP SoDAS** Conference – Oxford Man Institute of Quantitative Finance, St. John College, University of Oxford. Tutorial/ workshop on NLP and Social Data Science: Using state-of-the-art language models for social data science applications, 28-29th June 2023. Link at <https://nlpsodas.org/>
- 2023 **MapReader Workshop – Living with Machines**, The Alan Turing Institute and British Library, <https://living-with-machines.github.io/MapReader/>, 7-8th June 2023 (in-person) at The Alan Turing Institute
- 2023 **The Turing Way Book Dashes**, <https://the-turing-way.netlify.app/community-handbook/bookdash.html> May 2023, 22-26th May 2023, Link for the event and participation: <https://github.com/alan-turing-institute/the-turing-way/issues/3026>
- 2022 **OxML2022** – Oxford Machine Learning 2022, St Catherine College, Oxford University, Oxford, 7-

- 10 August 2022 (in person workshop)
- 2022 **RSECon2022**, the 6th Annual Conference for Research Software Engineering, <https://rsecon2022.society-rse.org/> 6-8th September 2022, Newcastle University, Newcastle, UK
- 2022 **Industry Taster Pilot Event – The Alan Turing Institute** co-organised by The Alan Turing Institute and The University of Liverpool’s Distributed Algorithms CDT, challenges presented by the Defence Science and Technology Laboratory (DSTL) – UK Defence and Security. Reference for participation: Harriett McCan hmccann@turing.ac.uk , 14th July 2022, The Spine, Paddington Village, Liverpool
- 2022 **ESMARConf2022** - Evidence Synthesis & Meta-Analysis in R Conference, Online, February 21-24th, 2022 Link <https://www.eshackathon.org/events/2022-01-ESMARConf2022.html>
- 2021 **Collaborations Workshop 2021** (CW21), Software Sustainability Institute, London/online, UK <https://www.software.ac.uk/cw21> 30 March - 1 April 2021
- 2020 **Fundamentals of Deep Learning for Multiple Data Types**, NVIDIA DLI (Deep Learning Institute)
- 2020 **Introduction to FAIR Data Stewardship** - <https://www.go-fair.org/events/introduction-to-fair-data-stewardship/> 14-25 Nov 2020
- 2020 CDRC UK (Consumer Data Research Centre) - **Advanced GIS Methods Training: AHAH and Multi-Dimensional Indices** two part. 29 – 30 Sept 2020
Part 1: Access to Healthy Assets & Hazards (AHAH), Part 2: Multi Dimensional Indices (MDI)
- 2020 CDRC UK (Consumer Data Research Centre) - **Advanced GIS Methods Training: IUC and K-means Clustering** (Internet User Classification and Retail Centre Typology datasets from the CDRC) 20-21 Oct 2020
- 2019 **CODATA International Training on Scientific Big Data and Machine Learning**, Chinese Academy of Sciences (CAS), Beijing – China 9-20 September 2019 (Beijing, China)
- 2019 **Western Australian East Java University Consortium (WAEJUC) Research Training workshops** 18-22 Maret (Surabaya, Indonesia)
- 2017 The **CODATA-RDA Research Data Science Summer School**, 8-21 July (Trieste, Italy) **Applied workshops** on IoT/Big-Data Analytics 24-28 July (Trieste, Italy)
- 2017 **JuliaCon2017**, programming with Julia University of California Berkeley, 20-24 June 2017 (Berkeley, California, USA)
- 2017 **FOSSASIA 2017**, Science Centre Singapore, overseas volunteer, March 2017, more at <http://2017.fossasia.org/>
- 2015 AUN/SEED-Net - JICA, 2015, **Management of Technology Course** – Universiti Teknologi Malaysia (Agustus, Kuala Lumpur)
- 2014 **“Data Mining with R”** - Istanbul Quantitative Lectures, University of Istanbul, Turkey, 25- 30 Agustus, 2014
- 2011 **SAP Training for Trainer**, “Introduction into SAP ERP using GBI” (Jurusan Sistem Informasi, ITS-Surabaya, Indonesia), September 2011
- 2011 Participant at **Visualizing Europe**, Data Visualization & Infographics Conference, GE Seed Media Group (Brussels, Belgium), 14 June 2011
- 2011 Participant at **seeconference #6**, Information Visualization Conference, Scholz & Volkmer GmbH (Lutherkirche, Wiesbaden, Germany), 9 April 2011
- 2010 Participant at **Maastricht School on Data Mining: “Introduction to methods and applications”** (Department of Knowledge Engineering, Maastricht University, NL), 30 August – 2 Sept 2010
- 2009 Student Delegation of Universiteit Twente for **MILMUN, Milan Model United Nations** (Università Luigi Bocconi, Milan, Italy), 3 - 8 May 2009

Technical Reports

- 2022 Data Study Group team. (2022, April 27). Data Study Group Final Report: Ordnance Survey Northern Ireland (OSNI). The Alan Turing Institute. Zenodo.
<https://doi.org/10.5281/zenodo.6498764> Link (pdf) at Alan Turing Institute
<https://www.turing.ac.uk/research/publications/data-study-group-final-report-ordnance-survey-northern-ireland-osni>

Self Project

- 2023 Data Science Workflows in JavaScript, self-learning page from ObservableHQ. Link at:
https://observablehq.com/@irhafidz/data-science-workflows-in-javascript-workshop-session1_july2023_observable
- 2022 Various open source, data science and data visualization workshop in Loughborough University PGR. Link at: <https://github.com/irhafidz/LBOROWorkshop>
- 2020 Creating UK visual map using geopandas in Python and Jupyter notebook for dataset from ONS UK named RF03EW (Location of usual residence and place of work) Link at:
<https://github.com/irhafidz/PeopleFlux>

Project Supervision with Students

- 2018 Bakau app for Anita's Moonshot Codeathon 2018: app where a citizen can submit, manage, report about wildlife of a Mangroves area <https://challengerocket.com/anitasmoonshot/works/bakau-903ce9>
- 2018 Teenstagram 2, Social Network Analysis for high school Instagram users
- 2017 Teenstagram 1, Topic Modelling for Instagram caption
- 2016 BencanaVis: Project at <https://bencanavis.shinyapps.io/bencana>
- 2016 LAPORnlp: Classification of citizen reporting/ aspiration from LAPOR! Dataset. Project at https://lapornlp.shinyapps.io/TA_LAPOR/
- 2016 SurabayaNLP: Sentiment analysis official twitter account of Surabaya City Government. Project at <https://surabayanlp.shinyapps.io/Visualisasi/>
- 2015-2016 CekPolusi: visualization for air pollution data <http://cekpulasi.addi.is.its.ac.id/pages/home.html>

Written Works

- GScholar <https://scholar.google.co.id/citations?user=7LWDMRQAAAAJ&hl=en>
- MSc Thesis University of Twente, Student Theses, <http://essay.utwente.nl/62920/>