CV Irmasari Hafidz

Personal Information

Laboratory	: Advanced VR Research Centre (AVRRC), The Wolfson School of Mechanical, Electrical, and Manufacturing Engineering
Institution	: Loughborough University, UK	https://www.lboro.ac.uk/research/avrrc/
Research Interest	: big data, data analytics, visualization
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
Github	https://github.com/irhafidz/
Email	irma@is.its.ac.id, irhafidz@gmail.com, i.hafidz@lboro.ac.uk
Mobile	+44 (0)7946547839

Education

2019-2022 PhD Student, (started Nov 2019) **Advanced VR Research Centre (AVRRC), The Wolfson School of Mechanical, Electrical, and Manufacturing Engineering**, **United Kingdom**
Topics: Human factors in data analytics and decision-making process
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=4y4OljkAAAAJ

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 (3 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

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 (Universitá 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

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?jcode=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?jcode=ijbidm#81872
2020	(In Indonesian) Nur Aini Rakhmawati, Rheindra Alfarhizi, 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/j.sisfo.2019.01.005

Publication: Conference

2020	**Paper**, Handayeni, 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 ASEA-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

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://cekpolusi.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/