

# 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 : visualization, causal inference, UX, user perception, decision making  
Scholar <https://scholar.google.co.id/citations?user=7LWDMRQAAAAJ&hl=en>  
ORCID <https://orcid.org/0000-0002-9148-712X>  
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## Education

- 2019-2022 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: Prof. Roy S. Kalawsky, Co-Supervisor: Dr. Melanie King
- 2008-2011 MSc in School of Management & 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. **Prof. Roy S. Kalawsky**, Professor - Director AVRRC, Loughborough University; Airbus/Royal Academy of Engineering Research Chair in Digital and Data Engineering Information Systems, Contact: [R.S.Kalawsky@lboro.ac.uk](mailto:R.S.Kalawsky@lboro.ac.uk) | <https://www.lboro.ac.uk/research/avrrc/people/>
2. **Nur Aini Rakhmawati, Ph.D.**, Associate Professor, Dept. of Information Systems, ITS, Indonesia Contact: [nur.aini@is.its.ac.id](mailto: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

## Training & Workshop

- 2022 **ESMARConf2022** - Evidence Synthesis & Meta-Analysis in R Conference, Online, February 21-24 2022 Link <https://www.eshackathon.org/events/2022-01-ESMARConf2022.html>
- 2021 **Data Study Group – The Alan Turing Institute (DSG) – LIDA (Leeds Institute of Data Analytics)**, Researcher/ PhD Student participant for OSNI Challenge, London/online, UK 12 – 23 July 2021 <https://www.turing.ac.uk/research/publications/data-study-group-final-report-ordnance-survey-northern-ireland-osni>
- 2021 **Collaborations Workshop 2021 (CW21)**, Software Sustainability Institute, London/online, UK <https://www.software.ac.uk/cw21> 30 March - 1 April 2021
- 2020 NVIDIA DLI (Deep Learning Institute) Certificate – Fundamentals of Deep Learning for Multiple Data Types [link](#) 10 Dec 2020
- 2020 **Introduction to FAIR Data Stewardship** – Leiden, NL/ online, Hogeschool Leiden & GOFAIR, <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: AHAAH and Multi-Dimensional Indices** two part. 29 – 30 Sept 2020  
Part 1: Access to Healthy Assets & Hazards (AHAAH), 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
- 2017 The **CODATA-RDA Research Data Science Summer School**, 8-21 July 2017,  
**Applied workshops on IoT/Big-Data Analytics** 24-28 July 2017, both at The Abdus Salam, ICTP, Trieste, Italy
- 2017 **JuliaCon2017**, programming with Julia UC Berkeley, Berkeley, California, USA <https://juliacon.org/2017/> 20-24 June 2017
- 2017 **FOSSASIA 2017**, Science Centre Singapore, overseas volunteer, <http://2017.fossasia.org/> March 2017
- 2015 **AUN/SEED-Net - JICA, Management of Technology Course** – Universiti Teknologi Malaysia (Agustus, Kuala Lumpur), 2015
- 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” (Dept. Information Systems, 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 Report

- 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>

## Publications: 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., Adiarto, 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>

## Publications: 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](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

## Project

- 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, [paper here](#)
- 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/](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>

## Paper & Written Works

List of paper and written works are available in GScholar

GScholar <https://scholar.google.co.id/citations?user=7LWDMRQAAAAJ&hl=en>

MSc Thesis University of Twente, Student Theses, <http://essay.utwente.nl/62920/>

Technical Report Data Study Group team. (2022, April 27). Data Study Group Final Report: Ordnance Survey Northern Ireland (OSNI). Zenodo. <https://doi.org/10.5281/zenodo.6498764>