



# Jihad Abdelhamid Hammad

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## Research Interests

- E-learning & Adaptive-E-learning
- Algorithms
- Machine Learning and Data science
- Distributed Computing and Systems
- Security
- Multimedia and networks

## Publications

<b>2021</b>
▪ Multi-Branch Company Enterprise Resource Planning Solution using Open ERP System in Indonesia–IEEE( <a href="http://ieeexplore.ieee.org">ieeexplore.ieee.org</a> ), 2021.
▪ The Edge Feature Subtraction for Completing Video Matting Working Space Virtual Office Prototype in Pandemic Era, IEEE ( <a href="http://ieeexplore.ieee.org">ieeexplore.ieee.org</a> ), 2021.
▪ Promoting Covid-19 vaccination with Instagram, Journal: Bulletin of Social Informatics Theory and Application, Volume 5, Issue 1, 26/10/2021
▪ Forecasting electrical power consumption using ARIMA method based on kWh of sold energy, Journal: Science in Information Technology Letters, Volume 2, Issue 1, 31/5/2021
▪ Classification of Tweets Causing Deadlocks in Jakarta Streets with the Help of Algorithm C4. 5, Journal of Applied Data Sciences, Volume 2, Issue 4, 4/12/2021
▪ Factors Influencing Mobile Payment Adoption and Its Role in Promoting Financial Inclusion: An Integrated Reflective Model with Theory of Planned Behavior, At The International Conference on Business and Technology, 6-7 November 2021, Istanbul, Turkey
<b>2020</b>
▪ New Adaptive Intelligence Method for Personalized Adaptive Laboratories, ID Wahyono, I Fadlika, K Asfani, H Putranto, J Hammad –IEEE( <a href="http://ieeexplore.ieee.org">ieeexplore.ieee.org</a> ), 2020.
▪ Worldwide mobile wallet: a futuristic cashless system, Bulletin of Social Informatics Theory and Application Journal, 2020
▪ Implementation of Generate and Test Algorithm for Junior High School Zoning System in Malang, IEEE ( <a href="http://ieeexplore.ieee.org">ieeexplore.ieee.org</a> ), 2020
▪ A Review of Accessing Big Data with Significant Ontologies JYJ Sleeman, JA Hammad - Knowledge Engineering and Data Data Science, 2020 <a href="http://journal2.um.ac.id">journal2.um.ac.id</a>
▪ Working Space Virtual Office Prototype in Pandemic Era, 3rd International Conference on Computer and Informatics Engineering (IC2IE) 2020, IEEE( <a href="http://ieeexplore.ieee.org">ieeexplore.ieee.org</a> ) Scopus Index

<b>2019</b>
<ul style="list-style-type: none"> <li>Blocking pornography sites on the internet private and university access, NO Irawan, PD Nurfadila, PY Ristanti, J.A.H Hammad - Bulletin of Social Informatics Theory and Application journal, 2019.</li> </ul>
<ul style="list-style-type: none"> <li>Decision support system for considering the best teacher performance using MOORA method, D Hanifatulqolbi<sup>1</sup>, I E Ismail<sup>1</sup>, J Hammad<sup>2</sup> and M H Al-Hooti<sup>3</sup>, Published under licence by IOP Publishing Ltd, Journal of Physics: Conference Series, Volume 1193.</li> </ul>
<ul style="list-style-type: none"> <li>Network Disruption Prediction Using Naïve Bayes Classifier, S Oktaviana, I Ermis, MD Anasanti, J Hammad – 2019, 2nd International Conference of Computer and , 2019</li> </ul>
<b>2018</b>
<ul style="list-style-type: none"> <li>Customer trust of online shopping using social media, VE Mariana, AP Wibawa, Jehad Hammad, R Herdianto, IOP Conference Series: Materials Science and Engineering, Volume 403, Issue 1, 9/2018.</li> </ul>
<ul style="list-style-type: none"> <li>Developing Intelligent Adaptive Virtual Class Model (IAVCM) System based on Tokenization, Jehad Hammad, Mochamad Hariadi, Mauridhi Hery Purnomo, Nidal Jabari, IJCSNS International Journal of Computer Science and Network Security, VOL.18 No.4, April 2018.</li> </ul>
<ul style="list-style-type: none"> <li>Open Learning Systems for Learners with Capabilities as Innovators at State University of Malang, Jihad Hammad Henry Praherdhiono, Sulton, AJE Toen Lioe, Advances in Social Science, Education and Humanities Research, Volume 164, Issue 2018.</li> </ul>
<ul style="list-style-type: none"> <li>Modeling of time series data for forecasting the number of foreign tourists in east Kalimantan using fuzzy inference system based on ARX model, Haviluddin Said Keliwar, Arief Bramanto, Wicaksono Putra, Jehad Hammad, International Journal of Engineering &amp; Technology, Volume 7, Issue: Special Issue 2, 3/5/2018</li> </ul>
<ul style="list-style-type: none"> <li>E-learning and Adaptive E-learning Review, Jehad Hammad, Mochamad Hariadi, Mauridhi Hery Purnomo, Nidal Jabari, Fachrul Kurniawan, International Journal Of Computer Science And Network Security, Volume 18, Issue 2, 2018.</li> </ul>
<b>2017</b>
<ul style="list-style-type: none"> <li>Text Modeling In Adaptive Educational Chat Room Based On Madamira Tool, 19<sup>th</sup>- 21<sup>st</sup> September 2017, 4th International Conference on Electrical Engineering, Computer Science and Informatics (EECSI 2017)</li> </ul>
<ul style="list-style-type: none"> <li>Developing an LMS-Based Cross-Platform Web Application for Improving Vocational High School Students' Competitiveness in ASEAN Economic Community, Hary Suswanto, Ahmad Mursyidun Nidhom, Andika Bagus Nur Rahma Putra, Jehad AH Hammad, Jurnal Pendidikan Sains, Volume 5, Issue 3, 2017.</li> </ul>
<ul style="list-style-type: none"> <li>Market Basket Analysis to Identify Customer Behaviours by Way of Transaction Data F Kurniawan, B Umayah, J Hammad, SMS Nugroho, M Hariadi , Knowledge Engineering and Data Science 1 (1), 20-25, 2017.</li> </ul>
<b>2015</b>
<ul style="list-style-type: none"> <li>A Comparative Study between Various Sorting Algorithms, IJCSNS International Journal of Computer Science and Network Security, VOL.15 No.3, March 2015</li> </ul>
<b>2009</b>
<ul style="list-style-type: none"> <li>Fast Database Indexing For Large Protein Sequence Collections Using Parallel N-Gram Transformation Algorithm, 2009, International Conference on High Performance Computing (ICHPC 2009), Dubai, United Arab Emirates, 28<sup>th</sup> – 30<sup>th</sup> January 2009, WCSET 2009: World Congress on Science, Engineering and Technology</li> </ul>

## Participations

- Researcher and Presenter in International Conference on High Performance Computing (ICHPC 2009), Dubai, United Arab Emirates, 28<sup>th</sup> – 30<sup>th</sup> January 2009, WCSET 2009: World Congress on Science, Engineering and Technology
- Poster Presenter in 5<sup>th</sup> International Symposium on High Capacity Optical Networks & Enabling Technologies (HONET 2008), November 18<sup>th</sup> – 20<sup>th</sup>, 2008, Penang, Malaysia.
- Speaker in Palestine Microsoft Tech Days, 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> November, 2009 in Polytechnic University, Grand Park Hotel, and Nijah University.

- Speaker in the Palestinian IT Professional Community's (PalPros) monthly event and Microsoft Activities in Palestine.
- **Reviewer** in IEEE, Scopus Index conference called: International Electronics Symposium (IES) 2018, 2019 Indonesia.
- **Reviewer** in IEEE, Scopus Index conference called: INTERNATIONAL CONFERENCE OF COMPUTER AND INFORMATICS ENGINEERING, 2019, Indonesia.
- **Vice Editor in Chief**, International journal called: Bulletin of Social Informatics Theory and Application.
- **Editorial Board**, International Journal Of Artificial Intelligence Research (IJAIR), (<http://ijair.id>).
- Researcher and Presenter in the 4th International Conference on Electrical Engineering, Computer Science and Informatics (EECSI 2017), Indonesia.

#### Research Profiles

- Research Gate Profile: [https://www.researchgate.net/profile/Jehad\\_Hammad3](https://www.researchgate.net/profile/Jehad_Hammad3)
- Google Scholar: <https://scholar.google.com/citations?user=zEKzXqoAAAAJ&hl=en>
- Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57201449394>
- ORCID ID: <https://orcid.org/0000-0002-2108-4069>

#### Education

<b>PhD</b>	<b>Institut Teknologi Sepuluh Nopember (ITS), Surabaya, Indonesia</b> Electrical Engineering/E-learning.	2015 - 2018
<b>MSc (CS)</b>	<b>University Sains Malaysia, Penang, Malaysia</b> Masters of Computer Science (Distributed Computing and Networks)	2007 – 2009
<b>BSc (CS)</b>	<b>AL Quds Open University, Bethlehem, Palestine</b> Bachelor in Computer Information Systems	1994 – 2000
<b>Diploma (math)</b>	<b>Tulkarm Community College, Tulkarm, Palestine</b> Diploma in Math and Education.	1987 – 1990

#### Professional Certifications

- Microsoft Certified System engineering (MCSE).
- Microsoft Certified System Administrator (MCSA).
- Microsoft Certified Professional (MCP)
- IC3 : Internet and Computing Core Certification
- MTA: Networking Fundamentals
- MOS: Microsoft Office Specialist (Microsoft Office Excel 2010)
- MCE: Microsoft Certified Educator
- ICDL: International Computer Driving License ( Trainer, Tester, and Center Manager)
- Cambridge English: Preliminary (PET)

#### Online Training Courses

- Introduction to Machine Learning (Kaggle.com)(2020).
- Python (Kaggle.com)(2020).
- Tableau 10 (Simplilearn.com)(2021)
- AWS Machine Learning Foundations(Udacity.com)( AWS Machine Learning Foundations scholarship-2021)
- Internet of things for IT Professionals (SEnDIng Project)

#### Professional Job History and Experience

Faculty member	<b>AL Quds Open University, Bethlehem Branch, Palestine</b> Bethlehem, Palestine. ( The courses including OS, Software engineering, Data communication, Systems Control, programming using C#, Direct Communications Systems, Database, Multimedia, Encryption, computer skills)	(Jan 2010 – Now)
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Network Admin & Part time Tutor	<b>AL Quds Open University, Bethlehem, Palestine</b> Bethlehem, Palestine.	(2002 – 2009)
ICDL - Instructor	<b>AL Quds Open University, Bethlehem Branch, Palestine</b>	(2009 – Now)
Dot Net – C# Programming language -Instructor	<b>AL Quds Open University, Bethlehem Branch, Palestine</b>	(2009-Now)
Part time Computer Teacher for Blinds	<b>Bethlehem University</b> , resource center for students with vision impairment	Jan 2012 – Jun 2013
Researcher Officer	<b>School of Computer Sciences, University Sains Malaysia</b> Penang, Malaysia.	(June 2008 – Aug 2008)
MS-Networks Instructor	<b>Friends of Fawzikawash IT Center of Excellence (FFKITCE) (Palestine Polytechnic University)</b> Hebron, Palestine.	(2006 – 2007)
ICDL - Instructor	<b>Hulul Business Solutions</b> Al-Bireh, Palestine	(2006 – 2007)
Computer Teacher	<b>Bethlehem chamber of Commerce and Industry</b> Bethlehem, Palestine.	(2002 – 2003)
Supervisor- Inclusive Education team	<b>Directorate of Education</b> Bethlehem, Palestine	(2000 – 2002)
Computer Teacher for Blinds	<b>Bethlehem Arab Society for Rehabilitation</b> Bethlehem, Palestine.	(2000 – 2002)
Math Teacher	<b>Government School</b> Bethlehem, Palestine.	(1995 – 2000)
Computer Teacher	<b>The Children's Cultural Center (Ghiras)</b> Bethlehem, Palestine.	(1998 – 1999)
Web Designer	<b>The Children's Cultural Center (Ghiras)</b> Bethlehem, Palestine.	(1999 – 2000)
Editor	<b>Sinan Child Magazine</b> Bethlehem, Palestine.	(1997 – 1998)

### Social Activities

- Co-founder at Knowledge learning center (KLC), and program manager for the English for Community Program which applied in cooperation with one of international organization called Step Foundation, the program offers a professional English courses for the Palestinian students (ESOL certificates).
- Founder and leader of a nonprofit organization for developers called The Palestinian .NET user Group (PALDEV) for more than five years , it is INETA Palestine and INETA charter member , I act as speaker in many workshops and event for this group.
- Founder and leader of a Palestinian IT Professional community (PalPros) ([www.palitpros.net](http://www.palitpros.net)), I act as a leader and speaker in many workshops and event for this group.
- Community Launch Team 2007 (CLT) membership, I was nominated to get training for the new Microsoft Technology for 2007.

### Extra Curricular Activities

- Professional Photography
- Writing Poetry
- Reading Books

#### ▪ Personal Information

Father's Name : Abdelhamid Hammad  
Date of Birth : 20<sup>th</sup> December 1967  
Nationality : Palestinian  
Passport# : 3519849  
Religion : Islam  
Marital Status : Married

#### Referees

**Dr. Mochamad Hariadi.**

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**Prof. Mauridhi Hery Purnomo.**

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