



## Dr. S.M. Emdad Hossain

Head of Information Systems Department, Assistant Professor

Department of Information Systems.....

كلية الاقتصاد والادارة ونظم المعلومات

جامعة نزوى، سلطنة عمان

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موقع المكتب: H-17-11.

يعمل في الجامعة: منذ 2016

الحالة الاجتماعية: .....

Dr. S.M. Emdad Hossain currently an Assistant Professor in the department of Information Systems, College of Economics, Management and Information Systems, University of Nizwa. He has received his PhD degree in Information Science and Engineering from University of Canberra, Australia. He has diverse educational and teaching experience from number of countries around the globe. He spent his secondary school life in Bangladesh, and completed his higher secondary school and Bachelor (Hons) in Malaysia. After five years of extensive experience in teaching and research in Australia; he moved to United States with new offer as Research Scientist in Embry Riddle Aeronautical University, Florida, USA. He is in the technical review committees and regular reviewer for several IEEE, Elsevier, ISI, and IET journals/conferences. His research interest includes multi-modal systems, computer vision, pattern recognition, data mining, medical image computing and mobile banking. He has 22 fully refereed Journal and Conference publications with a book chapter and 3 Intellectual PATENTS in pattern recognition and mobile banking. He is highly interested in seeking wide and interdisciplinary collaborations in teaching and research.

### **:Scientific IDs**

[Google Scholar](#)

[Research Gate](#)

### **المؤهلات الأكاديمية**

Post-Doc, Embry Riddle Aeronautical University, USA, 2015

PhD, University of Canberra, Australia, 2014

Information Systems in Organization  
 Database Design  
 Systems Analysis and Modelling  
 Security and Support in IT  
 Information Technology for the Workplace  
 System and Project Quality Management  
 Global E-Commerce  
 E-Business Strategy, Architecture and Design  
 Intro to Information Systems  
 Information Systems Analysis  
 Systems Analysis and Design

الأنشطة البحثية

الاهتمامات البحثية -

Pattern Recognition, Computer Vision, Bio-metric Analysis, Soft-Medical Technology

المنشورات -

مقال:

1. S.M. Emdad Hossain, M. Raisuddin Ahmed, Mohammad Amir, S. Arockiasamy, Sallam Fageeri, Validating Biometric Pattern Recognition using Tableau: An Empirical Study, International (Journal of Computer Applications (IJCA), Volume 185 - No. 32, August 2023 (ProQuest, EBSCO
2. Taiba Al Salmi, Emdad Hossain, Sallam Fageeri and Alaa Al-Obaidi, 2022, Facial Expression to Analyze Human Mindset, International Journal of Engineering and Information Systems (IJEAIS), Vol. 6 Issue 2, February - 2022, Pages:49-56
3. Fageeri, S.O., Hossain, S.M.E., Arockiasamy, S., Al-Salmi, T.Y. (2022). High-Utility Pattern Mining Using ULB-Miner. Sustainable Advanced Computing. Lecture Notes in Electrical (Engineering, vol 840. Springer, Singapore, May 2022 (SCOPUS
4. Emdad, S. M. H, Sallam O. F, Arockiasamy S, M. Abu Kausar, Aiman M. S, Lie Detection Technique using Video from the Ratio of Change in the Appearance, IJCSNS International Journal (of Computer Science and Network Security, VOL.22 No.7, July 2022. (ISI, Web of Science
5. Badar Al Baroomi, S. M. Emdad Hoaasin, Thirein Myo, Abdullah Al Shibli, Muhammad R Ahmed, M H Marhaban, Smart Dual Stage Identity Authentication for Attendance Monitoring, International Journal of Computer Science and Network Security (IJCSNS), Vol. 22 No. 9 pp. (801-807, September 2022 (ISI, Web of Science
6. Sallam Osman Fageeri, S M Emdad Hossain, Arockiasamy Soosaimanickam, Classification of Eye Refractive Error using ClassifierFusion; International Journal of Digital Information and (Wireless Communications (IJDIWC), Vol. 11, No. 3, June 2021 (ISI-Indexed Journal
7. Al Hola H. R, Emdad S. M. H, George K, Mohammad A, Smart City and Citizen Perception 2020

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Diagnostic Vessel for Human Body Check-up, International Journal of Advancements in Computing  
Technology (IJACT), Volume 9, Number 3, March 2018
- E. Hossain, G. Chetty, Multimodal Biometric Fusion for Person Identification: A public 2017 .10  
Surveillance Scenario, International Journal of Intelligent Information Processing (IJIP) Volume 7,  
Number 1, Sept 2017
- E. Hossain, G. Chetty,, Big-data Visualization Platform (Data-mining Approach) for 2017 .11  
Human Identity Verification, International Journal of Engineering and Information Systems (IJEAIS),  
Volume 1, Issue 9, November 2017
- E. Hossain, G. Chetty,, Multimodal Biometric Gait Database: A Comparison Study, Journal 2015 .12  
(of Next Generation Information Technology (JNIT - March 2015
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Surveillance Videos, 20th International Conference on Neural Information Processing  
(ICONIP-2013), South Korea, November, 2013
- E. Hossain, G. Chetty,, Person Identification in Surveillance Video Using Gait Biometric 2012 .15  
cues, 9th International Conference on Fuzzy Systems and Knowledge Discovery (FSKD`12),  
Chongqing, China, 29-31 May 2012
- E. Hossain, G. Chetty,, Multimodal Biometric Processing Scheme in Surveillance Video 2012 .16  
Using Ear, Side Face and Gait, 9th International Conference on Fuzzy Systems and Knowledge  
Discovery (FSKD`12), Chongqing, China, 29-31 May 2012
- E. Hossain, G. Chetty,, Fusion of Gait Biometric Cues from Different View Points for 2012 .17  
Human Identification in Surveillance Video, 34th International Conference on Information  
Technology Interface, Cavtat / Dubrovnik, Croatia, June 2012
- E. Hossain, G. Chetty,, Combination of Physiological and Behavioral Biometric for Human 2012 .18  
Identification, 8th International Conference on Machine Learning and Data Mining in Pattern  
Recognition (MLDM 2012), Berlin, Germany, July 2012
- E. Hossain, G. Chetty,, Multi-View Gait Fusion for Large Scale Human Identification in 2012 .19  
Surveillance Videos, Advanced Concepts for Intelligent Vision Systems (ACIVS 2012), Brno, Czech  
Republic, Sept. 4-7 2012
- E. Hossain, G. Chetty,, Multi-Mode-Walking Fusion for Person Identification in 2012 .20  
Surveillance Video, 12th International Conference on Algorithms and Architecture for Parallel  
Processing (ICA3PP) Fukuoka, Japan, September 4-7, 2012
- E. Hossain, G. Chetty, R. Goecke,, Multi-view Multi-modal Gait Based Human Identity 2012 .21  
Recognition from Surveillance Videos, Workshop on Page 3 S.M.Emdad Hossain Multimodal  
pattern recognition of social signals in HCI (MPRSS 2012), Tsukuba, Japan. November 2012
- E.Hossain, G. Chetty,, A Multi-Modal Gait Based Human Identity Recognition System 2012 .22  
Based on Surveillance Videos, 6th International Conference on Signal Processing and  
Communication Systems (ICSPCS 2012), Gold Coast, Australia, December 2012
- S.M.E. Hossain, G. Chetty,, Next Generation Identity Verification Based on Face and Gait 2011 .23  
Biometrics, International Conference on Biomedical Engineering and Technology (ICBET-2011)

(June 17-19, 2011, Kuala Lumpur. (ISI Indexed-Best paper award

S.M.E. Hossain, G. Chetty,, Person Identity Verification Based on Multimodal Face-Gait 2011 .24  
Fusion, IJCSNS International Journal of Computer Science and Network Security, VOL.11 No.6, June  
2011

S.M.Emdad Hossain, Development of Visionary Life Cycle and Difficulties Overcome 2011 .25  
Diagram for Small and Smart Business, International Conference on Sociality and Economic  
Development (ICSEP 2011) June 4-5, 2011, Kuala Lumpur

S.M.Emdad Hossain,, Small and Medium Enterprise: Clear Pathway to Bright Future by 2011 .26  
Using Fundamental visionary life cycle and Page 4 S.M.Emdad Hossain Difficulties overcome  
Diagram, Journal of Trade, Economics and Finance (IJTEF), August 2011

S.M.E. Hossain, Human Identity Verification by using Physiological and Behavioral 2011 .27  
Biometric Traits, International Journal of Bioscience, Biochemistry and Bioinformatics (IJBBB),  
August 2011

E. Hossain, G. Chetty,, Multimodal Face-Gait Fusion For Human Identity Verification, 2011 .28  
"International Workshop on Bio-Inspired and Fusion Systems for Cyber Security", Melbourne,  
October 2011

E. Hossain, G. Chetty,, MULTIMODAL IDENTITY VERIFICATION BASED ON LEARNING FACE 2011 .29  
AND GAIT CUES, 18th International Conference on Neural Information Processing (ICONIP 2011),  
Shanghai, China. November 2011

قسم كتاب:

G. Chetty, E. Hossain,, Multimodal Fusion for Robust Identity Authentication: Role of 2011 .1  
Liveness Checks, Advance Biometric Technology, ISBN 978-953-307-487-0, pp.3-20 (Intech  
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الخبرة الإدارية

Program Coordinator - Department of Information System :الآن - 2019

Department Convener - Department of Information Systems :2019 - 2017

العضوية في الهيئات المهنية

IEEE :الآن-2017

الجوائز والتقدير

Patent: "Full Version Banking Through Cell Phone Device in Australia (Mobile Banking)" 2011  
August 2011, Australia

Patent: "Mobile Banking Systems Through Cell Phone Operator" February 2011, Bangladesh 2011

Patent: Biometric identity verification based on face and gait fusion, November 2011, 2011  
Australia IP no: 2011101355

(!Finalist: 3MT (3 Minute Thesis: Present the complete thesis in 3 minutes 2011

Best Paper of the Conference: S.M.E. Hossain, G. Chetty, Next Generation Identity 2011  
Verification Based on Face and Gait Biometrics, International Conference on Biomedical  
Engineering and Technology (ICBET-2011), Kuala Lumpur

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المرجع: <https://www.unizwa.edu.om/staff/cemis/emdad.hossain>