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PERSONAL

Date of Birth	16/04/1989
Place of Birth	Bonab, IRAN

EDUCATION

2017	Universiti Teknologi Malaysia, Electrical & Electronics Engineering, Ph.D.
2014	Universiti Teknologi Malaysia, Electrical & Electronics Engineering, M.Sc.
2011	Islamic Azad University, Electrical & Electronics Engineering, B.Sc.

ACADEMIC POSITIONS

11/2023 –	Assistant Professor, Electrical and Electronics Engineering Department, Atılım University, Turkey
07/2018 – 06/2020	Postdoctoral Research Fellow, UTM-MIMOS Centre of Excellence, Faculty of Electrical Engineering, Universiti Teknologi Malaysia, Malaysia

RESEARCH INTERESTS

	Nanosensors, Semiconductors, Micro Nano Devices, Carbon Based Devices
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PUBLICATIONS (SCI)

1	A. Hosseingholipourasl, S. H. S. Ariffin, S. S. R. Koor, M. Petru, and A. Hamzah, "Analytical Prediction of Highly Sensitive CNT-FET-Based Sensor Performance for Detection of Gas Molecules," IEEE Access, vol. 8, pp. 12655-12661, 2020. (Q1/IF=4.098)
2	A. Hosseingholipourasl, S. Hafizah Syed Ariffin, T. M. Ahmadi, S. S. Rahimian Koor, M. Petru, and A. Hamzah, "An Analytical Conductance Model for Gas Detection Based on a Zigzag Carbon Nanotube Sensor," Sensors, vol. 20, 2020. (IF=Q1/3.031)
3	A. Hosseingholipourasl, S. Hafizah Syed Ariffin, Y. D. Al-Otaibi, E. Akbari, F. KHairiah Hamid, S. S. Rahimian Koor, et al., "Analytical Approach to Study Sensing Properties of Graphene Based Gas Sensor," Sensors, vol. 20, p. 1506, 2020. (IF=Q1/3.031)
4	A. H. Pourasl, S. H. S. Ariffin, M. T. Ahmadi, N. Gharaei, R. A. Rashid, and R. Ismail, "Quantum Capacitance Model for Graphene FET Based Gas Sensor," IEEE Sensors Journal, pp. 1-1, 2019. (Q1/ IF=2.617)
5	A. H. Pourasl, S. H. S. Ariffin, M. T. Ahmadi, N. Gharaei, and R. Ismail, " A carrier velocity model for electrical detection of gas molecules," Beilstein Journal of Nanotechnology, 2019. (Q1/IF= 2.968)
6	Pourasl AH, Ahmadi MT, Rahmani M, Chin HC, Lim CS, Ismail R, Tan MLP. Analytical modeling of glucose biosensors based on carbon nanotubes. Nanoscale Res Lett. 2014; 9: 1-7. (Q1/IF=2.833)
7	Pourasl, A. H., Ahmadi, M. T., Ismail, R., & Gharaei, N. (2017). Gas adsorption effect on the graphene nanoribbon band structure and quantum capacitance. Adsorption, 1-11. doi:10.1007/s10450-017-9895-0, 2017. (Q2/IF= 2.074)
8	A. H. Pourasl, M. T. Ahmadi, R. Ismail, and N. Gharaei, "Analytical modelling and simulation of gas adsorption effects on graphene nanoribbon electrical properties," Molecular Simulation, vol. 44, pp. 551-557, 2018. (Q3/IF= 1.678)
9	Pourasl, A.H., Ahmadi, M. T., Rahmani, M., & Ismail, R. (2017). Graphene Based Biosensor Model for Escherichia Coli Bacteria Detection. Journal of Nanoscience and Nanotechnology, 17(1), 601-605, 2017. (Q3/IF= 1.483)
10	10. Pourasl, A. H., Ahmadi, M., & Ismail, R. (2017). Carrier Relaxation Time Modelling of Monolayer Black Phosphorene. Micro & Nano Letters, 2017. (Q4/IF=0.723)
11	A. Hamzah, R. Ismail, N. E. Alias, M. L. P. Tan, and A. Poorasl, "Explicit continuous models of drain current, terminal charges and intrinsic capacitance for a long-channel junctionless nanowire transistor," Physica Scripta, vol. 94, p. 105813, 2019/08/08 2019. (Q2/ IF= 2.151)
12	Hamzah, Afiq, N. Ezaila Alias, Michael Loong Peng Tan, Ali Hosseingholipourasl, and Razali Ismail. "Explicit continuous charge-based compact model of surrounding gate MOSFET (SRGMOSFET) with smooth transition between partially-depleted to fully-depleted operation." Semiconductor Science and Technology 35, no. 4 (2020): 045007. (Q1/ IF= 2.654)
13	N. Gharaei, K. Abu Bakar, S. Z. Mohd Hashim, A. Hosseingholi Pourasl, M. Siraj, and T. Darwish, "An Energy-Efficient Mobile Sink-Based Unequal Clustering Mechanism for WSNs," Sensors, vol. 17, p. 1858, 2017. (Q2/ IF= 2.677)
14	N. Gharaei, S. Z. M. Hashim, A. H. Pourasl, and S. A. Butt, "Collaborative Mobile Sink Sojourn Time Optimization Scheme for Cluster-based Wireless Sensor Networks," IEEE Sensors Journal, 2018. (Q1/ IF= 2.968)
15	N. Gharaei, K. A. Bakar, S. Z. M. Hashim, and A. H. Pourasl, "Inter-and intra-cluster movement of mobile sink algorithms for cluster-based networks to enhance the network lifetime," Ad Hoc Networks, vol. 85, pp. 60-70, 2019. (Q1/ IF= 3.151)

JOURNAL PUBLICATIONS (Other indexes)

1	N. Gharaei, K. A. Bakar, S. Z. M. Hashim, M. H. Mohamed, S. O. A. Rahman, and A. H. Pourasl, "Optimal Number of Nodes Deployment Method in Corona-Based WSN," Journal of Telecommunication, Electronic and Computer Engineering (JTEC), vol. 9, pp. 125-129, 2017
2	M. Rahmani, R. Ismail, M. T. Ahmadi, K. Rahmani, and A. H. Pourasl, "Trilayer graphene nanoribbon field effect transistor analytical model," Indonesian Journal of Electrical Engineering and Computer Science, vol. 12, pp. 2530-2535, 2014.

PROJECTS

1	SENSITIVE MODERN SENSORS BASED ON CARBON NANOMATERIALS FOR ENVIRONMENTAL MONITORING, 2020
2	Low Cost and Efficient Localised Early Warning System – A Pilot Study in Kelantan River Basin, 2018

BOOK CHAPTERS

1	Pourasl, A. H., Ahmadi, M. T., Rahmani, M., Ismail, R., & Tan, M. L. P. (2016). Graphene and CNT Field Effect Transistors Based Biosensor Models. In M. T. Ahmadi, R. Ismail, & S. Anwar (Eds.), Handbook of Research on Nanoelectronic Sensor Modeling and Applications (pp. 294-333). United States: IGI Global.
2	Rahmani, M., Karimi, F., Kiani, M., Pourasl, A. H., Rahmani, K., Ahmadi, M. T., & Ismail, R. (2016). Modeling Trilayer Graphene-Based DET Characteristics for a Nanoscale Sensor. In M. T. Ahmadi, R. Ismail, & S. Anwar (Eds.), Handbook of Research on Nanoelectronic Sensor Modeling and Applications (pp. 19-38). United States. IGI Global.

CONFERENCE PRESENTATIONS

1	M.T. Ahmadi, Ali. H. Pourasl, H. Mohammadi, S. Mohamadpur, H. Tolou, Anthony Centeno, Razali Ismail, "The Irradiation Effect on Carbon Nanotube Schottky Transistors," MJIT-JUC Joint International Symposium, Kuala Lumpur, Malaysia, 2014.
1	N. Gharaei, K. A. Bakar, S. Z. M. Hashim, M. H. Mohamed, S. O. A. Rahman, and A. H. Pourasl, "Optimal Number of Nodes Deployment Method in Corona-Based WSN," Journal of Telecommunication, Electronic and Computer Engineering (JTEC), vol. 9, pp. 125-129, 2017
2	M. Rahmani, R. Ismail, M. T. Ahmadi, K. Rahmani, and A. H. Pourasl, "Trilayer graphene nanoribbon field effect transistor analytical model," Indonesian Journal of Electrical Engineering and Computer Science, vol. 12, pp. 2530-2535, 2014.

COURSES GIVEN

1	EE203 Digital Circuits and Systems
2	EE212 Electronic Circuits I
3	EE222 Microcontrollers
4	EE315 Digital Integrated Circuits and Systems
5	MECE322 Multidisciplinary Design in Engineering