

Curriculum Vitae (6-page Format)

July 2026

English

SAWAN

Mohamad

Canadian; Lebanese

Married

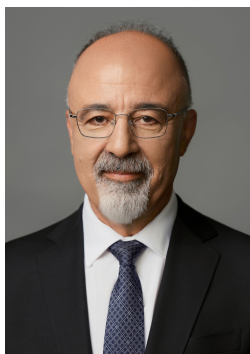
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Mandarin

萨万

默罕默德

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I. ACADEMIC BACKGROUND

<i>Degrees</i>	<i>Institution</i>	<i>Country</i>	<i>Month/Year</i>
Ph.D.	Université de Sherbrooke	Canada	09/1990
M.Sc.A.	Université de Sherbrooke	Canada	12/1986
B.Sc.	Université Laval	Canada	12/1983

II. EMPLOYMENT HISTORY

<i>Position</i>	<i>Dates</i>	<i>Organisation</i>
Emeritus Professor	06-20/. .	Electrical Engineering, Polytechnique Montreal
Chair Professor	01-19/. .	School of Engineering, Westlake University
Professor	06-98/...	Electrical Engineering, Polytechnique Montreal
Director	06-99/19	ReSMiQ interuniversity research center, Quebec
Adjunct Professor	09-11/...	Electrical & Computer Engineering, Laval University
Advisory Professor	09-06/...	School of Microelectronics, Shanghai University
Adjunct Professor	09-17/...	School of Computer Sciences, Wuhan University
Canada Research Chair	04-01/06-15	Electrical Engineering, Polytechnique Montreal
Director	06-96/05-04	Electronic Division, École Polytechnique
Adjunct Professor	11-95/08-98	Electrical Engineering, McGill University
Associate Professor	06-94/05-98	Electrical & Computer Eng., École Polytechnique
Assistant Professor	09-91/05-94	Electrical & Computer Eng., École Polytechnique
Post-Doctoral Fellow	01-91/08-91	Biomedical Engineering, McGill University

III. HONORS AND AWARDS

2026	Hangzhou International Award for sciences and technology achievements;
2025	Chen Tingzuo Immunology Science Award for contributions to superantigen role for immunology;
2025	Distinguished Fellow of the International Engineering and Technology Institute (IETI);
2025	Medal of merit of Lebanese Emigrants from the President of Lebanon for outstanding achievements;
2024	Fellow of the International Artificial Intelligence Industry Alliance (AIIA)
2022	Fellow of the Royal Society of Sciences of Canada (FRSC)
2022	Chinese Government Friendship Award;
2022	Hangzhou Outstanding Talent Award;

HONORS AND AWARDS (Continue)

- 2021 Chinese Zhejiang Weslake Friendship Award
- 2019 Chinese Hangzhou Qianjiang Friendship Ambassador Award
- 2019 National High-level Talent Program Award
- 2018-... Elected Vice-President Publications of the IEEE Circuits and Systems Society;
- 2016 Recipient of one of the five awards of the Council of the Arab League Ambassadors;
- 2015 Recipient of the Shanghai City Award for International Collaboration;
- 2014 Recipient of the Polytechnique Montreal First Research and Innovation Award;
- 2013 Recipient of the Queen-Elizabeth II Diamond Jubilee Medal;
- 2013-... Member of the Board of Governors of the IEEE Circuits & Systems Society;
- 2012 Recipient of the ACFAS - Jacques-Rousseau Award for Multidisciplinarity Research contributions;
- 2012-... Advisory Professor at Shanghai JiaoTong University, Shanghai, China;
- 2012 Member of the international selection committee of the biomedical researcher of the year;
- 2012 President of the Analog Signal Processing Committee of the IEEE Circuits & Systems Society;
- 2011-12 Chair of the Distinguished Lecture Program of the IEEE Circuits and Systems Society;
- 2011-12 Distinguished Lecturer of the IEEE Solid-State Circuits Society;
- 2010 Recipient of the Desjardins intercultural office achievement Award;
- 2008 Elected Officer of the National Order of Quebec for outstanding contributions;
- 2008 Recipient of the Lebanese Embassy in Canada Achievements Award;
- 2007 Fellow of the Engineering Institute of Canada for contributions to Engineering practices;
- 2006 Recipient of the American University of Science and Technology Achievements Award;
- 2006-10 Honorary Professor at Shanghai JiaoTong University, China;
- 2005 Recipient of the J. A. Bombardier Award for Research innovation and technology transfer;
- 2005 Medal of Honor from the President of Lebanon for outstanding achievements;
- 2005-07 Elected President of the BiOCAS technical committee of the IEEE Circuits & Systems Society;
- 2004 Recipient of the Montreal Lebanese Islamic Center's Award for career achievement;
- 2004 Fellow of the IEEE for my contributions to implantable medical devices;
- 2004-06 Elected Distinguished Lecturer of the IEEE Circuits & Systems Society;
- 2004-... Invited Professor at Université de Metz, France;
- 2003 Recipient of the Barbara Turnbull Award from the Canadian Institutes of Health Research (CIHR);
- 2003 Scientific Achievement Award from the American Biographical Institute;
- 2002 Recipient of the Canadian Islamic Congress's Award for career achievements;
- 2001-03 Founder and President of Cortivision, a startup company;
- 2001 Fellow of the Canadian Academy of Engineering;
- 2001 One of my projects is among the top ten discoveries of the Year by Québec Science Magazine;
- 2000-... Awarded Canada Research Chair in Smart Medical Devices;

IV. OTHER AWARDS

- 2026 First outstanding paper award from Springer Microchimica Acta journal;
- 2025 First place, best student poster award from IEEE MIND Conference;
- 2025 First place, best Wicas paper award from IEEE ISCAS Conference;
- 2025 First place, best Biocas student paper award from IEEE ISCAS Conference;
- 2023 First place, best student paper award from IEEE AICAS Conference;
- 2020 Best Springer Scientific Reports' journal paper award by Canadian Epilepsy League;
- 2019 First place demonstration award from IEEE Sensors competition;
- 2014 Co-recipient of the 1st best paper award from IEEE-SBCCI 2014;
- 2014 Co-recipient of the 1st place award from MDETEQ State competition;
- 2013 Co-recipient of the best ReSMiQ Innovation Day Award;
- 2012 Co-recipient of the best poster presentation at the 11th MIOMD Conference;
- 2010 Co-recipient of the best Texpo project award from CMC Microsystems annual workshop;
- 2010 Co-recipient of the best student science and society award from ACFAS 2010;
- 2010 Co-recipient of the best poster presentation award from ReSMiQ-ACFAS 2010;

OTHER AWARDS (Continue)

- 2008 Co-recipient of the Best IEEE Solid-State Society Chapter of the year;
- 2008 Co-recipient of the 1st best paper award from IEEE NEWCAS 2008;
- 2008 Co-recipient of the 3rd best paper award from IEEE NEWCAS 2008;
- 2006 Nominated one of best Electrical Engineering Professors of the year at Ecole Polytechnique;
- 2004 Co-recipient of Myril B. Reed Best Paper Award of the 46th IEEE-MWSCAS.
- 1997 Award for academic excellence awarded by École Polytechnique de Montréal;
- 1989 Medal of Merit for academic excellence by the Université de Sherbrooke during my Ph.D. studies.

V. OTHER DISTINCTIONS AND ACHIEVEMENTS

- 2025 General Co-Chair of the IEEE International Conference on Electronics, Circuits and Systems (ICECS);
- 2025 General Co-Chair of the IEEE International Conference Biomedical Circuits and Systems (BioCAS);
- 2023 General Chair of the IEEE International Conference on AI Circuits and Systems (AICAS);
- 2022-... General Co-Chair of the International Conference on Microelectronics (ICM);
- 2022-... Honorary Chair of the International Conference on Biomedical Engineering and Applications (ICBEA);
- 2022 General Co-Chair of the IEEE International AI Circuits and Systems Conference (AICAS);
- 2021-... Honorary Chair of the IEEE International NEWCAS flagship Conference (NEWCAS);
- 2020 General Chair of the IEEE Engineering, Medicine and Biology Society Conference;
- 2018 General Chair of the IEEE International Life Sciences Conference;
- 2018-19 General Co-Chair of the IEEE-International AICAS, and ISOCC;
- 2016 General Chair of the IEEE International Symposium on Circuits and Systems;
- 2015-... Editor-in-chief of the IEEE Transactions on Biomedical Circuits and Systems Journal;
- 2015-... General Co-Chair of the IEEE-International SBB;
- 2013-... Associate Editor of the IEEE Transactions on Biomedical Engineering Journal;
- 2013-... Chair of the IEEE Biomedical Engineering Award committee;
- 2012-... General co-Chair of the annual IEEE NEWCAS Conference;
- 2012-... General co-Chair of the annual IEEE Int'l Conf. on Microelectronics;
- 2011-... Editorial Board, the IEEE Life Sciences Portal;
- 2011-... General Chair of the IEEE Int'l Conf. on Electronics, Circuits and Systems;
- 2011-... General co-Chair of the IEEE Int'l Conf. on Microelectronics;
- 2011-12 Guest Editor of the IEEE J. of Emerging and Selected Topics SI on Brain-Machine Interfaces;
- 2011 Member of the Quebec's technology mission to India;
- 2011 General Chair of the Brain-Computer Interface Workshop (CAS-FEST 2010);
- 2010 Member of the Quebec's technology mission to China;
- 2010-... Advisory Board, Int'l Symposium on Medical Information and Communication Technology;
- 2010-13 Deputy Editor-in-Chief of the IEEE Transactions on Circuits and Systems II (TCAS-II);
- 2010-... Advisor for Springer Publisher in the field of Analog and biomedical books;
- 2009-... Technical Program Co-Chair of the Int. Biomedical Circuits and Systems (BiOCAS2009);
- 2009-... Member of the International Editorial Board of the Journal of Healthcare Engineering;
- 2009 Elected Toronto, Madison and Stanford Who's Who;
- 2008-... Member of the Editorial Board of the International Journal of Circuit Theory and Applications;
- 2008-... Member of the NSERC scholarship committee;
- 2008 Member of the Quebec technology mission to Taiwan;
- 2007 Member of FRSQ-FQRNT new joint support for R&D medical technology committee;
- 2007-... Member of the Steering Committee of the IEEE Trans. on Biomedical Circuits and Systems Journal;
- 2007-14 Associate Editor of the IEEE Transactions on Biomedical Circuits and Systems Journal;
- 2007 Member of Canada Bio & nanotechnology mission to India;
- 2007-... Member of the International Advisory Board of the Emirates Journal of Engineering Research (EJER);
- 2007-... General Chair of the Int. Biomedical Circuits and Systems (BiOCAS2007);
- 2007-... General Chair of the Int. Midwest Symposium on Circuits and Systems (MWSCAS2007);
- 2007 Member of the scientific committee of Marseille IMNP institute;
- 2006-... Member of Prompt Scientific Coordination Committee;

OTHER DISTINCTIONS AND ACHIEVEMENTS (Continue)

2006 Technical program co-Chair of the Int. Midwest Symposium on CAS (MWSCAS2006);
 2006-... General Chair of the IEEE International NEWCAS conference
 2006 General Co-Chair of the IEEE Int. Conf. On Electronics, Circuits and Systems (ICECS2006);
 2006 Co-Chair of the IEEE Int. Computer Architecture for Machine Perception and Sensors (CAMPS2006);
 2005 Member of the Quebec technology mission to China.
 2005-07 Member of the International Biotechnology council, IEEE CAS representative;
 2005 General Chair of the Int. Functional Electrical Stimulation Society Conference (IFESS2005);
 2004-07 Member of the Evaluation Committee of the Institut National de Recherche Scientifique;
 2004 Editor of the Springer Mixed-signal letters for the Americas;
 2004-... Guest Editor of the Kluwer Analog integrated Circuits and Signal Processing Journal;
 2004-... Member of the Canadian Arthritis Network (Canadian Network of Centre of Excellence);
 2003-... Member of the Board of Directors of Montreal rehabilitation interdisciplinary research ctr. (CRIR);
 2003-... Member/Chair of IEEE Technical Program Committee (ISCAS, MWSCAS, ICM, ICSICT, etc);
 2003-... Investigator of a \$21M Pan-Canadian grant application from CFI to acquire an EDA Laboratory;
 2003-05 Vice-President of the BiOCAS technical committee of IEEE Circuits & Systems Society;
 2002-... Founder & general chair of the IEEE International NEWCAS Conference;
 2002-06 Member of the Board of Directors of the Int. Functional Electrical Stimulation Society (IFESS);
 2001-... Member of the scientific coordination committee of Victhom Human Bionic;
 2001-05 Member of the scientific coordination committee of Prompt-Quebec;
 2001-... Guest Editor of the Kluwer/Springer Analog integrated Circuits and Signal Processing Journal;
 2000-... Interviews with news media: newspapers, magazines, TV, and radio (prestigious TV reports);
 2000 Recipient of a major CFI grant (\$8.2M) to establish an advanced microelectronics assembly facility;
 1999-... Founder and Chair of the IEEE Solid-State Circuits Society (SSCS) Montreal Chapter;
 1999-... Scientific Advisor to several Canadian companies (Victhom Human Bionic, Scanview, etc);
 1988-90 Ph.D. scholarship (12k\$/year), FRSQ (Fonds de la Recherche en Santé du Québec).
 1995-... Co-Founder of the IEEE Int. Conf. on Electronics, Circuits and Systems (ICECS);
 1994-... Founder and director of the Polystim Neurotechnologies Laboratory;

VI. SUMMARY OF RESEARCH CONTRIBUTIONS

Citations: 21804, H-Index: 70

Publications (Summary)	Last 6 years	Total
Refereed Journal publications (published/accepted)	193	439
Refereed conference papers	134	653
Invited talks / Keynote speeches	154	418
Patents (Awarded and Pending)	44	71
Books and book chapters	14	28
Refereed abstracts and posters	23	124
Technical reports count and list are not included in this CV	125	315
Total (Publications)	549	1733

Students and Other Personal Supervision (Appendix D)	Supervised	Completed
Ph.D.	35	93
M.A.Sc.+M.Eng.	0	132
Postdoctoral Fellows, Research assistants and associates, Hosted faculties	21	111
Hosted Invited Faculties	0	11
Undergraduate training R&D projects	0	371
Total (Students and Other Personal)	56	718

Note 1: Samples of recently published papers (see next 2 pages please)

LIST OF LATEST PUBLICATIONS (JULY 2026)

(Refereed Journal Publications: Published)

- [439] ZHAO S., WANG Q., SHU Z., YANG X., FANG M., YANG J., **SAWAN M.**, "A Bio-Inspired Spiking Attention Neuromorphic Accelerator for Low-Power Visual Prosthesis", *IEEE Transactions on Instrumentation & Measurement*, Online, **2026**.
- [438] ALKHALIFA I., SONG X., HOU Q., LIN S., FILIMBAN N., RIZALPUTRI L., BAHRI M., ESKANDARI R., **SAWAN M.**, SALAMA, K., "An Area-Efficient PWM-Based Potentiostat Using a 1-bit IDAC for Electrochemical Metabolite Sensing," *IEEE Sensors*, Online, **2026**.
- [437] YAO Y., LUO J., HUI Y., LYU J., KE Y., SHEN W., XU Y., YU M., CHEN H., CHEN J., CHEN G., **SAWAN M.**, TAO L., ZHOU N., "3D-Printed Implantable Bioelectronics Enabled by Anti-Swelling and Biphasic Conductive Hydrogels", *Nature Materials*, Online, **2026**
- [436] ZHANG Z., CHEN S., YANG Z., EMU L., WEI P., JIA C., LIU Y., YAN W., LU Y., HUANG Y., CHAI C., GAO X., CHEN Y.-H., JIANG H., JIANG Y., WU H., HU L., **SAWAN M.**, DING Z., GAN Z., JIANG H. "Bistable haptic textiles for immersive somatosensory augmentation and sensory substitution", *Nature Sensors*, Online, **2026**.
- [435] ZHENG Y., CHEN S., SONG X., MA Y., CHAI C., SUN J., ZHANG H., TAO Y., WEN L., BIAN S., QIN P., **SAWAN M.**, "Robust High Quality-factor Out-of-plane Nonlocal Metasurface-enhanced Microcavity for Multi-scale Biosensing", *Photonics Research Journal*, Online, **2026**.
- [434] WU H., CHEN J., ESKANDARI R., HAN Y., LIU X., ZOU W., TIAN F., HOU Q., LIN S., YANG J., **SAWAN M.**, "NeuroSEED: A Neuromorphic Scalable Event-Driven SoC with Direct Multiplexing for Spike Detection and Wireless Telemetry", *IEEE Journal on Emerging and Selected Topics in Circuits and Systems*, Online, **2026**.
- [433] MA Y., ZHENG Y., ZHU H., JIANG T., **SAWAN M.**, HE S., "Dual-Functional Metal Interlayer Enables High-Quality GaN Epitaxy and Low-Damage Transfer Towards Flexible Optoelectronics", *Small Methods*, Online, **2026**.
- [432] CHAI C., WANG K., CHEN L., ZHANG J., MAO Y., REN X., LI Z., JIN F., CHEN YH., LEI L., **SAWAN M.**, "Water-Sensitive Photoacoustic Temperature Characterization At 960 nm In Cerebral Vascular Phantoms with CT Co-Registration", *Photoacoustics Journal*, Vol. 51, **2026**, pp. 100862.
- [431] BINHEYAT MB., URREHMAN A., ZEESHAN HH., BINHEYAT MA., AKHTAR F., SADAF, ANSARI MA., WANG L., LAI D., PRASATH VBS., GANDHI TK., **SAWAN M.**, "Large Language Model: Future of Healthcare Research with Challenges", *WIREs Data Mining and Knowledge Discovery*, Vol. 16, No. 3, **2026**.
- [430] ZOU W., ESKANDARI R., YANG J., **SAWAN M.**, "A high-energy-efficiency, tunable-bandwidth, and ook ir-uwb transmitter for implantable brain–computer interfaces" *MDPI Electronics*, Vol. 15, No. 13, **2026**, pp. 2953.
- [429] XU Y., PENG Y., YAO Y., FAN X., WANG M., GAO F., **SAWAN M.**, ZHANG S., HU X., "Poststroke rehabilitative mechanisms in individualized fatigue level-controlled treadmill training- a Rat Model Study", *Neural Regeneration Research*, Vol. 21, No. 10, **2026**, pp. 4929-4932.
- [428] AHMAD M., **SAWAN M.**, "Beyond reflection: Advancements and applications of MEMS mirrors in biomedical devices", *International Journal of Optomechatronics*, Vol. 20, No. 1, **2026**.
- [427] ZOU W., YANG J., **SAWAN M.**, "A duty-cycled PLL and fractal antenna co-design architecture for a low-power IR-UWB transmitter in neural implants", *MDPI Sensors*, Vol. 26, No. 13, **2026**.
- [426] YANG Q. *, WANG C. *, SHEN Z., KANG Y., ZHANG C., ZHOU Y., BIAN Z., SU X., QIN C., SUN J., LIU Y., ZHU B., FAN Z., **SAWAN M.***, XU Y., YU B., CHAI Y., ZHAO Y.*, "High encoding-sensitivity vision sensor with complemen-tary nonlinear neuromorphic computing", *Nature Communications*, vol. 17, **2026**, pp. 7147.
- [425] XU Y., LI C., WANG M., CHEN Y.-H., ZHANG S., **SAWAN M.**, "Cortical and Cortico-Muscular Network Modulation Pattern of Eccentric and Concentric Movements in Fatigue State", *IEEE Transactions on Neural Systems and Rehabilitation Engineering*, vol. 34, **2026**, pp. 2762-2772.
- [424] ALKHALIFA I., ESKANDARI R., **SAWAN M.**, SALAMA, K., "CMOS Potentiostats for Electrochemical Biosensors: Recent Architectures and Emerging Applications", *IEEE Sensors Reviews*, vol. 3, **2026**, pp. 358-370.

- [423] ZHAO S., WANG Z., SUN H., WANG S., CHEN Z., FU C., YANG J., **SAWAN M.**, “HAQ-ViT: A Hardware-Aware Post-Training Quantization for Efficient Vision Transformer Inference”, **Knowledge-Based Systems**, Vol. 342, **2026**, pp. 115830.
- [422] XU Y., ZHANG S., WANG M., **SAWAN M.**, “Corticomuscular coherence and its non-invasive modulation in stroke applications: a narrative review”, **Elsevier NeuroImage: Reports**, Vol. 6, No. 1, **2026**, pp. 100329.
- [421] ZHANG C., ZHANG Y., YU J., YANG J., **SAWAN M.**, “Event-Fused Hybrid ANN-SNN Architecture for Low-Latency Object Detection in Automotive Vision”, **IEEE Robotics and Automation Letters**, Vol. 11, No. 3, **2026**, pp. 3622-3628.
- [420] KATEBI M., ERFANIAN A., KARAMI M.A., **SAWAN M.**, “A new low-power low-ripple charge pump based on self-cascode configuration”, **Springer AICSP Journal**, Vol. 126, No. 2, **2026**, pp. 36.
- [419] WANG F., CAO F., YANG J., ANNA, JIANG M., ZHENG S., WANG Y., XIANG M., CHAI C., CHEN Y., **SAWAN M.**, DISHA B., “Enhancing Individual Calibration Classification in SSVER Based BCI with Exactly Periodic Component Analysis”, **The IEEE Transactions on Industrial Informatics**, vol. 22, no. 5, **2026**, pp. 3717-3728.
- [418] ZHANG H., SONG X., HUANG N., XIONG K., BIAN S., SU Y., **SAWAN M.**, “A programmable peptide interface for on-demand neural culture platforms”, **Journal of Nanobiotechnology**, Vol. 24, No.151, **2026**.
- [417] LI H., LI D., CHEN S., HOSSAIN N.M.L., XU X., FENG Y., LU H., TROCAN M., GALAYKO D., AMARA A., **SAWAN M.**, “CCSMRI: Circular Compressed Sensing MRI”, **Elsevier Biomedical Signal Processing and Control**, Vol. 111, **2026**, pp. 108355.
- [416] LI S., WU D., ZHAO S., YANG J., **SAWAN M.**, “Memory-Efficient Intrinsic Gating Adaptation for Enhanced On-Device Epilepsy Diagnosis”, **IEEE Journal of Biomedical and Health Informatics**, vol. 30, no. 7, **2026**, pp. 5921-5934.
- [415] WU H., TAN Z., LIU X., CHEN J., ZOU W., HOU Q., LIN S., MAO Y., YANG J., **SAWAN M.**, “Self-Adaptive Pseudo-Resistors Enabling Millisecond-Level Artifact Recovery and High-Linearity for Neural Recording Front-Ends”, **IEEE Transactions on Biomedical Circuits and Systems**, vol. 20, no. 2, **2026**, pp. 194-205.
- [414] ESKANDARI R., NAWITO M., KATEBI M., KRAUSHAAR U., RICHER H., ANDERS J., BUGHARTZ J., MIRBOZIRGI A., **SAWAN M.**, “Towards Closed-Loop Neuromodulation for Type 2 Diabetes with ex vivo Validation of Beta-Cell Activity and FOPP Detection”, **IEEE Transactions on Biomedical Circuits and Systems**, vol. 20, no. 2, **2026**, pp. 206-217.
- [413] WU D., LI S., YANG J., **SAWAN M.**, “Neuro-BERT: Rethinking Masked Autoencoding for Self-Supervised Neurological Pretraining”, **IEEE Journal of Biomedical and Health Informatics**, vol. 30, no. 2, **2026**, pp. 970-980.
- [412] FANG C., SHEN Z., LI T., ZHAO S., TIAN F., YANG J., **SAWAN M.**, “A 28nm Spiking Vision Transformer Accelerator with Dual-Path Sparse Compute Core and EMA-free Self-Attention Engine for Embodied Intelligence”, **IEEE Transactions on Circuits and Systems for Artificial Intelligence (TCASAI)**, Online, **2025**.
- [411] MACHADO M.B., LIU X., **SAWAN M.**, “Ultra-Low-Voltage Rectifiers”, **IEEE Access**, Vol. 13, **2025**, pp. 205366-205380.
- [410] TARKHAN M., WU H., ULLAH F., **SAWAN M.**, “A Flexible High-accuracy Memristor Model Using Varactors”, **IEEE Access**, Vol. 13, **2025**, pp. 217423-217436.
- [409] ZENG Z., CHEN Y.H., GAO X.,ZHENG W., WU H., ZHU Z., YANG J., WANG C., ZHONG L., CHENG W., **SAWAN M.**, “Repetitive TMS-based Identification of Methamphetamine-Dependent Individuals Using EEG Spectra”, **IEEE Sensors Journal**, Vol. 25, No. 21, **2025**, pp. 40284-40296.
- [408] ZHAO S., WANG S., WANG Z., FANG C., TIAN F., CHEN J., FU C., YANG J., **SAWAN M.**, “BoostViT: Booth-Serial Skipping and Tunable Scaling for Vision Transformers”, **IEEE Transactions on Circuits and Systems - I**, Vol. 72, No. 11, **2025**, pp. 6541-6552.
- [407] LIU X., CHEN J., WU H., ZOU W., YANG J., **SAWAN M.**, “An On-Chip Reconfigurable Front-end for Ultra-Low-Power RF Energy Harvesting”, **IEEE Transactions on Circuits and Systems - II**, Vol. 72, No. 11, **2025**, pp. 1495-1499.
- [406] WANG J., LIAO Y., YANG J., **SAWAN M.**, “AI-driven and IC-enabled advanced closed-loop neuromodulation for practical clinical applications”, **ELSP, Neuroelectronics**, Vol. 2, No. 2, **2025**, pp. 1-34.