

CURRICULUM VITAE

Ali Ahmed GANOUN

Director General of University of Tripoli Research, Consultant and Training Center
Professor, Electrical and Electronic Engineering Department, Faculty of Engineering
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Date and Place of Birth: Edri Alshati – Libya, 24-12-1966

Education:

2007 Ph.D., University of Orléans, Laboratory of Electronics, Signals and Images (LESI), Orleans, France.

Thesis topic: Tracking of deformable structure in a sequence of images

Advisor: Prof. R. HARBA

Co- Director: Dr. Raphael CANALS

1996 MSc, Faculty of Engineering, University of Tripoli (Al-Fateh University), Tripoli, Libya.

Thesis topic: Investigation of Utilizing the Low Voltage Electrical Power Distribution Network (LV EPDN 220V) as a Communication Medium.

Advisor: Prof Dr A. AKKI

1988 BSc, Faculty of Engineering, University of Benghazi (Garyounis University), Benghazi, Libya.

Project topic: Digital Signal Processing Programs.

Advisor: Dr. M. GRAMZ

Research & Teaching Experience:

01/03/2019 - Director General of University of Tripoli Research, Consultant and Training Center, University of Tripoli, Libya.

01/09/2020 - Professor, EE Department. Faculty of Engineering, University of Tripoli, Libya.

2012 – 2016 Assistant Professor, EE Department. Faculty of Engineering, University of Tripoli, Libya.

2010 – 2012 Lecturer, EE Department. Faculty of Engineering, University of Tripoli, Libya.

2009 – 2010 Lecturer, EE Department. Faculty of Engineering, University of Garyounis, Libya.

2008 – 2009 Researcher, Research Laboratory for Advanced Driving Assistance Systems (LIVIC/LCPC-INRETS), Versailles, France.

2003 – 2007 PhD Student, LESI, University of Orleans, Orleans, France.

1996 – 2002 Assistant lecturer, EE Department., Faculty of Engineering, Garyounis University, Libya.

1989 – 1996 Researcher, Industrial Research Centre, Tripoli, Libya.

Courses Taught:

Linear Systems, DSP, Image Processing, Numerical Analysis, Electronics, Pulse and Switching Circuits, ICs, Communication Systems, Basic Electrical Engineering, Logic Design, Microprocessor, Advanced Computer Applications.

Technical Skills:

Programming: Matlab, MatCad, C, C++, Code Composer, RTMaps.

Hardware: TI DSP.

Research Interests:

Image Processing, Computer Vision, Pattern recognition

Academic Networks:

Research Gate	Google scholar	Linkedin	Scopus	Publons	Web of Science
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Languages:

Arabic, English, French.

Projects Grants

- 1) **Project Name:** License Plate Recognition System.
 - **From:** National Agency for Scientific Research.
 - **Period:** 01/04/2013-01/04/2014.
- 2) **Project Name:** Millimeter Wave Mobile Communication for 5G Cellular.
 - **From:** Research and Development Office, Almadar Aljadid Co.
 - **Period:** 09/11/2016-09/05/2017.

Membership

- [IEEE Communications Society](#)
- [IEEE VehicularTechnology Society](#)
- [IEEE Signal Processing Society](#)
- [IEEE Intelligent Transportation Systems Society](#)

Membership of Editorial Boards, Scientific Committees and Networks

- 1- A Founder member of Libyan Society for Automation and Robotics
- 2- EE Department ABET coordinator (2011-2019)
- 3- Editorial Board “Almadar Journal for Communications, Information Technology, and Applications” (2015-present)
- 4- President of the Preparatory Committee of the Libyan Innovation Prize (2012 – 2022)
- 5- President of the Preparatory Committee of The Libyan Conference on Automation and Robotics (LCAR-2021)
- 6- Member Program Committee of the ICECE 2013
- 7- Member of the Libyan SDG4 Committee
- 8- 2022، 2021، 2022 منسق مبادرة الموهوبون العرب بلبييا

Selected Publications:

Book:

- 1- Ali **Ganoun**, Suivi de Structure Déformable, Presses Academiques Francophones, 2013.

Journals and Conferences Papers:

- 1- Bakouri, M., Alassaf, A., Alshareef, K., **Ganoun, A.**, Alomari, A.-H. "An Optimal H-Infinity Controller for Left Ventricular Assist Devices Based on a Starling-like Controller: A Simulation Study", *Mathematics*, 10(5), 731, 2022.
- 2- Bakouri, M., Alsehami, M., Ismail, H.F., **Ganoun, A.**, Alqahtani, A., Alharbi, Y. "Steering a Robotic Wheelchair Based on Voice Recognition System Using Convolutional Neural Networks *Electronics (Switzerland)*, 11(1), 168, 2022.
- 3- Mohammed Elgaed, Khaled Elgdamsi and **Ali Ganoun** "Classifying Various Bacteria Genera by Transfer Learning Model" Third Conference for Engineering Sciences and Technology (CEST-2020), 2020.
- 4- Faraj Farhat, Omar El Baruni, **Ali Ganoun**, License Plates Recognition System for Light Limited Conditions, *International Conference on Automation, Control, Engineering and Computer Science (ACECS-2018)*, 2018
- 5- Sami Allafi, Alaa Eddean Elsaltani, **Ali Ganoun**, Vehicles Tracking and Mean Speed Estimation, *Libyan International Conference on Electrical Engineering and Technologies (LICEET2018)*, 2018.
- 6- Gharam Abbas, **Ali Ganoun**, Performance Analysis of Face Recognition System, *Libyan International Conference on Electrical Engineering and Technologies (LICEET2018)*, 2018.
- 7- Areej Abugrain, **Ali Ganoun**, Libyan Vehicles License Plates Localization System using Neural Networks, *Libyan International Conference on Electrical Engineering and Technologies (LICEET2018)*, 2018.
- 8- Abdullah Hassoun, **Ali Ganoun**, Comparison of Various Digital Filters for Speech Signals Filtering, *Libyan International Conference on Electrical Engineering and Technologies (LICEET2018)*, 2018.
- 9- Mohammed Elborawi, **Ali Ganoun**, Real Time Vehicle Detection and License Plate Recognition System, *Libyan International Conference on Electrical Engineering and Technologies (LICEET2018)*, 2018.
- 10- Ibrahim Almerhag, **Ali Ganoun**, Different Approaches to Classify Network Routing Protocols, *ALMADAR JOURNAL FOR COMMUNICATIONS, INFORMATION TECHNOLOGY, AND APPLICATIONS*, 2018.
- 11- **Ali Ganoun**, "Automatic Localization of Libyan License Plates" *IEEE VPPC*, 2015.
- 12- Mohammed Elrgaby, Abdwahab Amoura and **Ali Ganoun**, "Spoken Arabic Digits Recognition Using Discrete Wavelet", *IEEE UKSim-AMSS*, pp 274-278, 2014.
- 13- I. El-Hori, Z. El-Momen, and A. **Ganoun**, PCA Facial Expression Recognition, *ICMV*, 2013.
- 14- A. Allosh, N. Zlitni and A. **Ganoun**, Speech Recognition of Arabic Spoken Digits, *Conference Papers in Engineering*, doi:10.1155/2013/130473, 2013.
- 15- W. Algablawi, W. BenAnaif and A. **Ganoun**, Libyan Vehicle License Plate Recognition System, *ICECE*, 2013 (Best Student Paper).
- 16- A. **Ganoun** and I. Almerhag, Performance Analysis of Spoken Arabic Digits Recognition Techniques, *Journal of Electronic Science and Technology*, vol. 10, no. 2, June 2012.
- 17- **Ganoun**, Canals, Object Tracking with Occlusion Handling by Particle Filtering, *Fifth Libyan Arab International Conference on Electrical and Electronic Engineering, (LAICEEE)*, pp. 755-766, 2010.
- 18- **Ganoun**, Veit and Aubert, Tracking Multiple Targets Based on Stereo Vision, *VISAPP*, 2009.
- 19- Canals, **Ganoun**, and Leconge, Occlusion-Handling for Improved Particle Filtering-based Tracking, *17th European Signal Processing Conference (EUSIPCO)*, pp. 1107-1111, 2009.
- 20- Ould-Dris, **Ganoun**, Canals, Improved Object Tracking with CamShift Algorithm, *IEEE ICASSP*, 2006.
- 21- **Ganoun**, Ould-Dris, Canals, Tracking System Using CamShift and Feature Points, *EUSIPCO*, 2006.

Other Scientific Participations and Activities:

- 1- Member of the preparatory committee of the first Libyan symposium of Inventions and scientific innovation 24-29/10/1990, Musrata – Libya.
- 2- Member of the preparatory and scientific committees of The AL-FATEH International symposium for invention and industrial innovation, 23-29/2/92, Tripoli – LIBYA.
- 3- Member of the administration committee of the Third Libyan Arab international conference on Electrical and Electronic Engineering, 25-28/3/96, Tripoli – LIBYA.
- 4- Member of the scientific committee of the National seminar on Industrial property, 14-15/5/96, Tripoli – LIBYA.

Other Publications:

- 1- **Ganoun**, Canals, Treuillet, Approche de Suivi d'Objet par Courbes de Niveau, GRETSI 2005, Belgique.
- 2- **Ganoun**, Canals, A New Fast Level Set Method, NORSIG, 2004, Finland.
- 3- **Ganoun**, Akki, Modeling the Low Voltage (220 V) Electrical Power Distribution Network as a communication medium, 3rd LAICEEE, 1996, LIBYA.
- 4- Ganoun, A. and R. Canals. Evaluation and Performance Analysis of the CamShift Tracker. in International Conference on Applied Informatics. 2009.
- 5- Canals, R. and A. Ganoun. Occlusions Detection for Improved Particle Filtering-based Tracking. in International Symposium on Electronics and Telecommunications. 2008. Romania.
- 6- Ganoun, A., R. Canals, and R. Leconge. Approche d'Evaluation des Techniques de Suivi d'Objet. GRETSI. 2007.
- 7- Ganoun, A. and R. Canals. Approche Robuste de Suivi d'Objet, ORASIS 2005. Fournols, France.
- 8- A. Ganoun, A. Akki, New usage of the Low Voltage (220V) Electrical power distribution Network, Load Management and Control, 7/6 - 8/6/1995, Tripoli - LIBYA.
- 9- A. Ganoun, New Electronic technique for voice noise cancellation systems, The first ARABIC Conference on Environmental Science, 27-31/1/1990, Sebha - LIBYA.
- 10- A. Ganoun, Telecommunication Protocols in computer Networks, Industrial Research Journal, Vol 16, pp 65-78, March 1999.
- 11- A. Ganoun, The Computer as a scientific tool, Industrial Research Journal, Vol 11, pp. 40-46, September 1996.
- 12- A. Ganoun, The Environment and the renewable energy sources, Industrial Research Journal, Vol 12, pp. 50-55, March 1997.
- 13- A. Ganoun, Using the CD-ROMs as a new technique in information storing & retrievals, 20-23/10/1991, Third Arabic Information Seminar, TUNIS .
- 14- A. Ganoun, The Libyan Patent System, The AL-FATEH International symposium for invention and industrial innovation, 23-29/2/92, Tripoli - LIBYA.
- 15- A. Ganoun, Patent Documents as an Information Source, The First Libyan symposium in information technology, 22- 25/1/94, Tripoli - LIBYA.
- 16- A. Ganoun, CD-ROMs and the Patent Systems, Communication and computer conference, 16-19/10/94, Tripoli - LIBYA.
- 17- A. Ganoun, Using the Computer in the Printed - Circuit Board Designing, The Second Libyan symposium in information technology, 14-17/1/95, Tripoli - LIBYA.
- 18- A. Ganoun, CD-ROMs and the Patent Systems, National seminar on Industrial property, 14-15/5/96, Tripoli - LIBYA.