

CURRICULUM VITAE

Ali Ahmed GANOUN

Director General of University of Tripoli Research, Consultant and Training Center

Associate 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.

21/07/2016 - Associate 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.

Selected Publications:

Book:

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

Journals and Conferences Papers:

- 1- 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
- 2- Sami Allafi, Alaa Eddean Elsaltani, **Ali Ganoun**, Vehicles Tracking and Mean Speed Estimation, Libyan International Conference on Electrical Engineering and Technologies (LICEET2018), 2018.
- 3- Gharam Abbas, **Ali Ganoun**, Performance Analysis of Face Recognition System, Libyan International Conference on Electrical Engineering and Technologies (LICEET2018), 2018.
- 4- Areej Abugrain, **Ali Ganoun**, Libyan Vehicles License Plates Localization System using Neural Networks, Libyan International Conference on Electrical Engineering and Technologies (LICEET2018), 2018.
- 5- Abdullah Hassoun, **Ali Ganoun**, Comparison of Various Digital Filters for Speech Signals Filtering, Libyan International Conference on Electrical Engineering and Technologies (LICEET2018), 2018.
- 6- Mohammed Elborawi, **Ali Ganoun**, Real Time Vehicle Detection and License Plate Recognition System, Libyan International Conference on Electrical Engineering and Technologies (LICEET2018), 2018.
- 7- Ibrahim Almerhag, **Ali Ganoun**, Different Approaches to Classify Network Routing Protocols, ALMADAR JOURNAL FOR COMMUNICATIONS, INFORMATION TECHNOLOGY, AND APPLICATIONS, 2018.
- 8- **Ali Ganoun**, "Automatic Localization of Libyan License Plates" IEEE VPPC, 2015.
- 9- Mohammed Elrgaby, Abdwahab Amoura and **Ali Ganoun**, "Spoken Arabic Digits Recognition Using Discrete Wavelet", IEEE UKSim-AMSS, pp 274-278, 2014.
- 10- I. El-Hori, Z. El-Momen, and A. **Ganoun**, PCA Facial Expression Recognition, ICMV, 2013.
- 11- A. Allosh, N. Zlitni and A. **Ganoun**, Speech Recognition of Arabic Spoken Digits, Conference Papers in Engineering, doi:10.1155/2013/130473, 2013.

- 12- W. Algablawi, W. BenAnaif and A. **Ganoun**, Libyan Vehicle License Plate Recognition System, ICECE, 2013 (Best Student Paper).
- 13- 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.
- 14- **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.
- 15- **Ganoun**, Veit and Aubert, Tracking Multiple Targets Based on Stereo Vision, VISAPP, 2009.
- 16- Canals, **Ganoun**, and Leconge, Occlusion-Handling for Improved Particle Filtering-based Tracking, 17th European Signal Processing Conference (EUSIPCO), pp. 1107-1111, 2009.
- 17- Ould-Dris, **Ganoun**, Canals, Improved Object Tracking with CamShift Algorithm, IEEE ICASSP, 2006.
- 18- **Ganoun**, Ould-Dris, Canals, Tracking System Using CamShift and Feature Points, EUSIPCO, 2006.

Membership

- [IEEE Communications Society](#)
- [IEEE Vehicular Technology 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 - 2018
- 5- Member Program Committee of the ICECE 2013

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.

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.