

# 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:

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| <a href="#">Research Gate</a> | <a href="#">Google scholar</a> | <a href="#">Linkedin</a> | <a href="#">Scopus</a> | <a href="#">Publons</a> | <a href="#">Web of Science</a> |
|-------------------------------|--------------------------------|--------------------------|------------------------|-------------------------|--------------------------------|

### 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, 3<sup>rd</sup> 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.