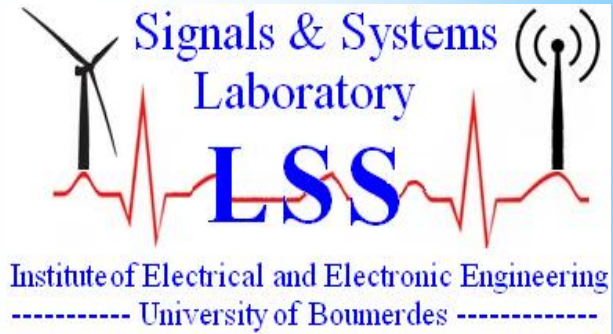


People's Democratic Republic of Algeria
Ministry of Higher Education and Scientific research
M'hamed Bougara University, Boumerdes
Institute of Electrical and Electronic Engineering,
Laboratory of Signals and Systems (LSS)

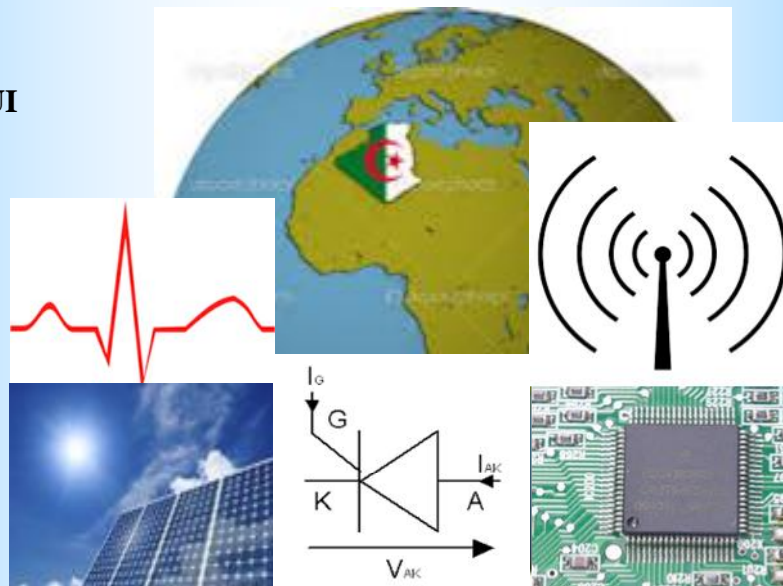


ALGERIAN JOURNAL OF SIGNALS AND SYSTEMS

Journal Director
Pr. Hamid BENTARZI

ISSN : 2543-3792

Journal Editor-in-chief
Dr. Abdelmadjid RECIQUI



Volume : 2 Issue : 1 (April 2017)
Special Issue of the International Conference on
Technological Advances in Electrical Engineering
Skikda, Algeria, 24-26 October 2016

Laboratory of Signals and Systems

Address : IGEE (Ex-INELEC), Boumerdes University, Avenue de l'indépendance, 35000, Boumerdes, Algeria

Phone/Fax : 024 79 57 66

Email : lss@univ-boumerdes.dz ; ajsyssid@gmail.com

Director of Journal:

Pr. BENTARZI Hamid

Editor in Chief :

Dr. RECIOUI Abdelmadjid

Honor editorial board member

Late Prof. REFOUFI Larbi

Editorial Board Members:

Pr. HARICHE Kemal

Pr. AZRAR Arab

Dr. KHELDOUNAissa

Dr. CHALLALMouloud

Dr. DAAMOUCHE A.Elhamid

Dr. KOUADRI A.Elmalek

Dr. OUADI Abderrahmane

Dr. DAHIMENE A.Hakim

Mr. ZITOUNI Abdelkader

Reviewer's Board Members

Pr. ALBARBAR A., Manchester Metropolitan University, United Kingdom

Pr. ARSHAD M. K., Univ. of Malaysia Perlis, Malaysia

Pr. AZZOUZI M., Univ. of Djelfa, Algeria

Pr. BECHERIF M, UTMB, France

Pr. BEGUENANE R., Canada

Pr. BELATRECHE A. Univ. of Ulstern, UK

Pr. BENALI K., UCL, Belgium

Pr. BENZID R., Univ. of Batna, Algeria

Pr. BENAMROUCHE N., Univ. of Tizi-ouzou, Algeria

Pr. BERKOUK A., ENP, Algeria

Pr. BENAZZOUZ D., UMBB, Algeria

Pr. BOULAKROUNE M., Univ. of Ouargla, Algeria

Pr. BOUTEJDAR A., Univ. of Magdeburg, Germany

Pr. CHIKOUCHE D., Univ. of M'sila, Algeria

Pr. CHOUBANI F., SUP'COM, Tunisia

Pr. DHERBECOURT P., Université de Rouen, France

Pr. ZEROUG H., USTHB, Algeria

Pr. EL MOUSSATI A., ENSA Oujda, Morocco

Pr. EI- OUALKADI A., Univ. of Abdelmalek Essaadi, Morocco

Pr. ESSAIDI M., Univ. of Titouan, Morocco

Pr. EVAN Vaclavik, Univ. of Switzerland, Switzerland

Pr. FORTAKI T., Univ. of Batna, Algeria

Pr. GUESSOUM A, Univ. of Blida, Algeria

Pr. HADJEM A., Orange Labs, France

Pr. HERZOG, Univ. of Switzerland, Switzerland.

Pr. IKHLEF A., Univ. of Newcastle, United Kingdom

Pr. JOSÉ Ragot, Institut National Polytechnique de Lorraine, France

Pr. KHEZZAR A., Univ. of Constantine, Algeria

Pr. KIDOUUCHE A., UMBB, Algeria

Pr. KRIM F., Univ. of Setif, Algeria

Pr. LACHOURI A., Univ. of Skikda, Algeria

Pr. MAUN J. C., ULB, Belgium

Pr. MEKHALEF S., Univ. of Malaysia, Malaysia

Pr. NAKAMATSU K., Univ. of Hyogo, Japan

Table of contents

Quality of energy resulting from association converter- machine for the electric drive of a system of wind generation	1
GHANIA AGGOUN, NAIMA BOUBOUZEL, RAHMA KACHENOURA, SID ALI FELLAG	
Analysis Study of Radar Probability of Detection for Fluctuating and Non-fluctuating Targets	12
NACEUR AOUNALLAH, ALI KHALFA	
Minimum time control of a two DOF robotic arm with noised measurements.....	21
EL-H. GUECHI , Y. ZENNIR , L. MESSIKH & M-L. BENLOUCIF	
Performance comparison of some censoring CA-based CFAR processors in heterogeneous environments	31
B. ZATTOUTA AND, L. MESSIKH	
False Alarms Rate Reduction Using Filtered Monitoring Indices	40
M.AMMICHE AND A.KOUADRI	
IMC Multi-Controller Strategies applied on a Manipulator Robot	51
Y. ZENNIR, E.GUECHI, L. CHETIOUI, R. BENDIB	

Preface

The Algerian Journal of Signals and Systems: "AJSS" is a publication which is issued quarterly of the Laboratory of signals and Systems at the institute of Electrical engineering; University M'hamed Bougara of Boumerdes.

Papers dealing with all aspects of electrical systems and signals are considered for publication. Manuscripts must be in English, original and should not be under consideration for publication by any other journals. The authors are invited to send both the pdf and Word files of their papers using the journal email.

This issue is a special issue of the International Conference on Technological Advances in Electrical Engineering (ICTAE'2016) held at Skikda University, Algeria in the period October 24-26, 2016. We thank the organizers for the efforts they have made and the authors for sending their papers to AJSS

We are convinced that «Algerian Journal of Signals and Systems" will provide the opportunity to publish papers with authentic and insightful scientific and technological information on the latest advances in electrical and electronic engineering. We are looking forward to your submissions to our Journal.

Journal Director
Pr. Hamid BENTARZI

Journal Editor-in-Chief
Dr. Abdelmadjid RECIQUI