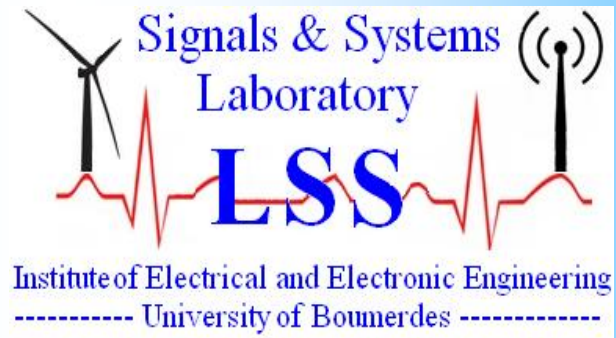


People's Democratic Republic of Algeria
Ministry of Higher Education and Scientific research
M'hamed Bougara University, Boumerdes
Institute of Electrical and Electronic Engineering,
Laboratory of Signals and Systems (LSS)

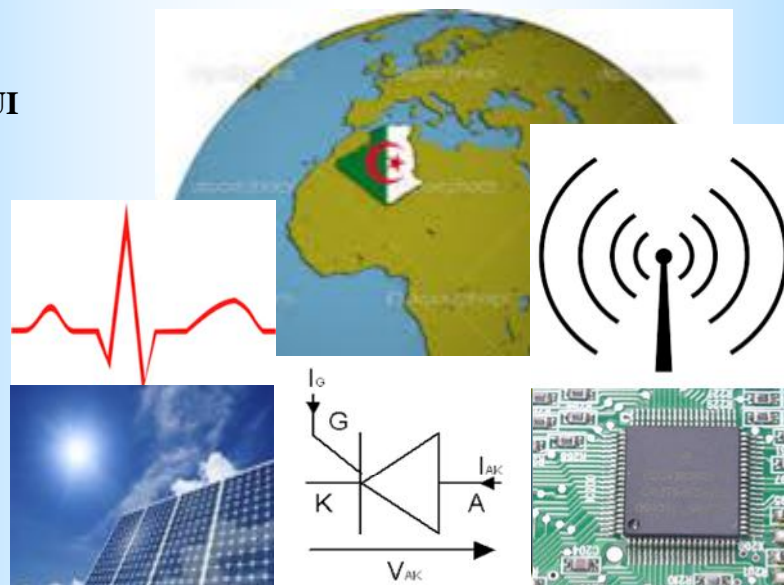


ALGERIAN JOURNAL OF SIGNALS AND SYSTEMS

Journal Director
Pr. Hamid BENTARZI

ISSN : 2543-3792

Journal Editor-in-chief
Dr. Abdelmadjid RECIQUI



Volume : 3 Issue : 2 (June 2018)

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 ; ajsyssig@gmail.com

©LSS/2018

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

Sensorless Speed and Reactive Power Control of a Double-Feed Induction Generator using Adaptive Observer in Wind Turbine Power Plant	54
NOUREDDINE BOUMALHA, DJILLALI KOUCHIH, MOHAMED SEGHIR BOUCHERIT	
Impact of NBTI Stress on VDMOSFET Regions	65
SIDI MOHAMMED MERAH, BOUCHRA NADJI	
Analyzing Primary Signal Sensing Test in Cognitive Radio Networks Using an Alpha-Beta Filter and a Neyman-Pearson Detector	70
HAROUN ERRACHID ADARDOUR, SAMIR KAMECHE	
High Precision Roll/Yaw Attitude Stabilization for Flexible communication satellite.....	81
J. E BENMANSOUR, B. KHOUANE, R. RIMA	
Humanoid Robot, What is missing?.....	89
HADJIRA BELAIDI AND HAMID BENTARZI	