

LARBI TEBESSI UNIVERSITY

MINING LABORATORY

LABGET LABORATORY

# ELECTRICAL ENGINEERING DOCTORAL DAY 2022

Wednesday 09, February, 2022

09 :00 AM – 03 :30 PM

Mining Laboratory

LABGET Laboratory



## DISCUSSIONS AND INSIGHTS



ELECTRICAL NETWORKS

10:30 – 12:30



ELECTRICAL CONTROL

10:30 – 12:30



INDUSTRIAL ELECTROTECHNICS

10:30 -12:30



AUTOMATIC AND SYSTEMS

10:30 – 12:30



INDUSTRIAL COMPUTING

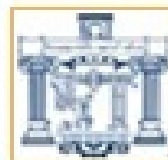
13:30 -15:00



ELECTROTECHNICS

13:30 -15:00

Organized by :



ELECTRICAL ENGINEERING DEPARTMENT

Contact Us

Pr. Abdallah Meraoumia

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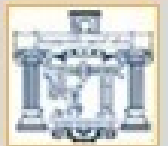


WEDNESDAY

FEBRUARY 09, 2022

# 2E2D'2022 PROGRAM

DEPARTMENT OF  
ELECTRICAL  
ENGINEERING



1

**ELECTRICAL NETWORKS**

10:30 - 12:30

**AUTOMATIC AND SYSTEMS**

10:30 - 12:30

1

2

**ELECTRICAL CONTROL**

10:30 - 12:30

**INDUSTRIAL ELECTROTECHNICS**

10:30 - 12:30

2

3

**ELECTROTECHNICS**

13:30 - 15:00

**INDUSTRIAL COMPUTING**

13:30 - 15:00

3

CONTACT US

Pr. Abdallah Meraoumia

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# 2E2D'2022 SCHEDULE



TIME	EVENTS	PLACE
09:00 - 09:30	<b>OFFICIAL OPENING (WELCOME RECEPTION)</b> - Welcome reception	AUDITORIUM
09:30 - 10:30	<b>PLENARY KEYNOTE</b> - Pr. Benacheiba Chellali	AUDITORIUM

## FIRST SESSION

10:30 - 12:30	<b>SESSION: ELECTROTECHNICS</b> ELT 1 : Electrical Networks + Electrical Control	MINING LAB
10:30 - 12:30	<b>SESSION: AUTOMATIC</b> AUTO 1 : Automatic and Systems + Industrial Electrotechnics	LABGET

12:30 - 13:30

## BREAK COFFEE

## SECOND SESSION

13:30 - 15:00	<b>SESSION: ELECTROTECHNICS</b> ELT 2 : Electrotechnics	MINING LAB
13:30 - 15:00	<b>SESSION: AUTOMATIC</b> AUTO 2 : Industrial computing	LABGET





# 2E2D'2022 PROGRAM



## OFFICIAL OPENING: 09:00 – 09:30, AUDITORIUM

<b>Dr. NOUIOUA Ismail</b>	Dean of the Faculty of Sciences and Technology	09:00 – 09:10
<b>Pr. DIB Djalel</b>	Head of the Electrical Engineering Doctoral Training Committee	09:10 – 09:20
<b>Pr. CHENIKHER Salah</b>	Head of the Automatic Doctoral Training Committee	09:20 – 09:30

## PLENARY KEYNOTE: 09:30 - 10:30, AUDITORIUM

<b>Speaker</b>	Pr. Chellali BENACHEIBA	09:30 – 10:30
<b>Title</b>	Intelligence Artificielle en Génie Electrique : Logiques et Métaheuristiques	

## FIRST SESSION: 10:30 – 12:30

### ROOM ELT 1 : 10:30 – 12:30, MINING LAB

**Evaluation jury (Pr/Dr)** Djalel DIB, Youcef SOUFI, Azziz BOUKADOUM, Abba BOUGUERNE, Sami KAHLA, Bilal MEGHNI, Sihem GHOUELBOURK, Djamel OUNNAS

PHD STUDENT	TITLE/SUPERVISORS	TIME
<b>MAHI EDDINE Soulef</b>	Diagnosis and management of electrical energy storage systems <b>Supervisors</b> : Abdelghani DJEDDI, Djalel DIB	09:30 – 10:00
<b>ABABSIA Houria</b>	Etude, Modélisation et control d'un Système UPFC pour la performance des réseaux électriques <b>Supervisors</b> : Djalel DIB, Abdelghani DJEDDI	10:00 – 10:30
<b>BEZZAR Nour El Houda</b>	Energy forecasting in smart grids: Toward an artificial intelligence-driven approach <b>Supervisors</b> : Abdallah MERAOUIMIA, Lotfi HOUAM	10:30 – 11:00
<b>REZAIGUIA Mohammed Djihad</b>	Modélisation et contrôle intelligent d'un système hybride pour la production électrique <b>Supervisors</b> : Sihem GHOUELBOURK, Djalel DIB	11:00 – 11:30
<b>AZZAZ Mohamed Aimene</b>	Control and management of an electrical energy conversion system <b>Supervisors</b> : Youcef SOUFI, Dhaouadi GUIZA	11:30 – 12:00
<b>BENAYAD Nizar</b>	Diagnosis and fault-tolerant control of nonlinear systems based on artificial intelligence techniques <b>Supervisors</b> : Abdelaziz AOUCHE, Abdelghani DJEDDI	12:00 – 12:30

**ROOM AUTO 1 : 10:30 – 12:30, LABGET**

Evaluation jury (Pr/Dr)

Salah CHENIKHER, Abdallah MERAOUIMIA, Abdelaziz AOUCHE, Amel BOUCHEMHA, Abdelghani DJEDDI, Toufik THELAIDJIA, Lotfi HOUAM, Dhaouadi GUIZA, Laatra YOUSFI

PHD STUDENT	TITLE/SUPERVISORS	TIME
MEBARKIA Meriem	Advanced image content analysis techniques applied to medical imaging Supervisors : Abdallah MERAOUIMIA, Lotfi HOUAM	09:30 – 10:00
AYEB Brahim	Advanced control of a renewable energy system Supervisors : Youcef SOUFI, Djamel OUNNAS	10:00 – 10:30
TALEB Samira	Contribution à l'étude et à la commande des systèmes éoliens Supervisors : Salah CHENIKHER, Djamel OUNNAS	10:30 – 11:00
SAADI Moufida	Towards optimal control of a Hybrid system with storage for efficient management of electrical energy Supervisors : Djalel DIB, Bilal MEGHNI	11:00 – 11:30
ZERFAOUI Lamia	Intelligent Control of Wind and Photovoltaic Systems Supervisors : Abdelaziz AOUCHE, Djamel OUNNAS	11:30 – 12:00
AOUN Sakina	Contribution To Advanced Faults Diagnosis In Renewable Energy Conversion Chain Supervisors : Azziz BOUKADOUM, Laatra YOUSFI	12:00 – 12:30

**BREAK COFFEE : 12:30 – 13:30**
**SECOND SESSION: 13:30 – 15:00**
**ROOM ELT 2 : 13:30 – 15:30, MINING LAB**

Evaluation jury (Pr/Dr)

Djalel DIB, Youcef SOUFI, Azziz BOUKADOUM, Abla BOUGUERNE, Sami KAHLA, Bilal MEGHNI, Sihem GHOUDELBOURK, Djamel OUNNAS

PHD STUDENT	TITLE/SUPERVISORS	TIME
FERHI Adel	Amélioration des performances des systèmes électriques multi-sources et multi-charges Supervisors : Bilal MEGHNI, Djalel DIB	13:30 – 14:00
BRAHMI Oussama	Structure de contrôle avancée basée sur le principe de séparation des fréquences d'un système de conversion d'énergie éolienne (SCEE) Supervisors : Amel BOUCHEMHA, Sami KAHLA	14:00 – 14:30
BOUALLEG Khaled	Contribution to the advanced control and improvement of the power quality of a renewable energy system Supervisors : Aziz BOUKADOUM, Abla BOUGUERNE	14:30 – 15:00

**ROOM AUTO 2 : 13:30 – 15:00, LABGET**

Evaluation jury (Pr/Dr)

Salah CHENIKHER, Abdallah MERAOUMIA, Abdelaziz AOUCHE, Amel BOUCHEMHA, Abdelghani DJEDDI, Toufik THELAIDJIA, Lotfi HOUAM, Dhaouadi GUIZA, Laatra YOUSFI

PHD STUDENT	TITLE/SUPERVISORS	TIME
BOULAARAS Zineb	<b>Modeling and control of nonlinear systems</b> Supervisors : Abdelaziz AOUCHE, Khireddine CHAFAA	13:30 – 14:00
SOUAIDIA Chouaib	<b>Fault Detection and Diagnosis of an Industrial Process</b> Supervisors : Salah CHENIKHER, Toufik THELAIDJIA	14:00 – 14:30
DJEGHLAL Badereddine	<b>Potential of artificial intelligence to advance automated medical diagnosis</b> Supervisors : Abdallah MERAOUMIA, Abdelaziz AOUCHE	14:30 – 15:00

**END OF THE 2E2D'2022**







ACCELERATED TRAINING  
THURSDAY, FEBRUARY 10, 2022  
09:00 - 16:30, MINING LAB



**THURSDAY MORNING : 09:00 - 12:00, MINING LAB**

WORKSHOP NAME	TITLE	TIME
FUZZY LOGIC	Logique Floue : Régulation, optimisation	09:00 - 10:30
ANFIS	ANFIS : Régulation et prédiction	10:30 - 12:00

**BREAK COFFEE : 12:00 - 13:00**

**THURSDAY EVENING : 13:30 - 16:30, MINING LAB**

WORKSHOP NAME	TITLE	TIME
NEURAL NETWORKS	Réseaux de neurones : Diagnostic	13:30 - 15:00
OPTIMIZATION	Optimisation d'un régulateur flou par métaheuristique	15:00 - 16:30

**END OF THE ACCELERATED TRAINING**

