


Sofiane Bououden

Research teacher

PROFIL

 Khenchela

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LANGUES

Arabe 

Français 

Anglais 



ACADEMIC DEGREES

2006 - 2010

Constantine, Algeria

PhD degree in automatic control from the University of
ci, Constantine, Algeria

2014

Constantine, Algeria

Habilitation for heading research (necessary for a position of
Professor)

University of Constantine

Experience

2010-2011 Maitre assistant classe B-stagiaire- at
Khenchela, university, Algeria.

From February 2011 to February 2012 Maitre de
conférences classe B at Khenchela, university, Algeria.

Since February 2014 Associate Professor at Khenchela,
university, Algeria.

Since July 2018 Full Professor at Khenchela, university,
Algeria



Année 2024

Fouad Allouani, Abdelaziz Abboudi, Chris Huyck, Xiao-Zhi Gao, Sofiane Bououden, Ilyes Boulkaibet, Nadhira Khezam and Hanen Shall, **Inhancing Individual UAV Path Planning with Parallel Multi-Swarm Treatment Coronavirus Herd Immunity Optimizer (PMST-CHIO) Algorithm**, IEEE Access, Vol.12, pp.28395 – 28416, 2024. DOI: [10.1109/ACCESS.2024.3367753](https://doi.org/10.1109/ACCESS.2024.3367753)

Année 2023

Abdelmalek Zahaf, Sofiane Bououden, Mohammed Chadli, Ilyes Boulkaibet, Bilel Neji, Nadhira Ihezami, **Dynamic Sensorless Control Approach for Markovian Switching Systems Applied to PWM DC–DC Converters with Time-Delay and Partial Input Saturation**, Sensors **2023**, 23(15), 6936; <https://doi.org/10.3390/s23156936> (registering DOI)

Sofiane Bououden, Fouad Allouani, Abdelaziz Abboudi, Mohammed Chadli, Ilyes Boulkaibet, Zaher Al Barakeh, Bilel Neji and Raymond Ghandour, **Observer-Based Robust Fault Predictive Control for Wind Turbine Time-Delay Systems with Sensor and Actuator Faults**, Energies **2023**, 16(2), 858; <https://doi.org/10.3390/en16020858>

Omar Hazil, Fouad Allouani, Sofiane Bououden, Mohammed Chadli, Mohamed Chemachema, Ilyes Boulkaibet, And Bilel Neji, **A Robust Model Predictive Control for the Photovoltaic Pumping System Subject to Actuator Saturation Nonlinearity**, Sustainability **2023**, 15(5), 4493; <https://doi.org/10.3390/su15054493>,

Fouad Allouani, Abdelaziz Abboudi, Sofiane Bououden, Ilyes Boulkaibet, Nadhira Ihezami, Fatma Lajmi, **A Spider Monkey Optimization based on Beta-Hill Climbing Optimizer for Unmanned Combat Aerial Vehicle (UCAV)**, Appl. Sci. MDPI, 13 (5), 3273, 2023.