

---

## Preface

---

### Nabil Derbel

Laboratory of Control and Energy Management,  
National Engineering School of Sfax,  
BP. 1173, Rte de Soukra, 3038, Sfax, Tunisia  
Email: [ijdsss.editor@gmail.com](mailto:ijdsss.editor@gmail.com)

**Biographical notes:** Nabil Derbel received his Engineering Diploma from the National School of Engineering of Sfax in 1986, DEA diploma in Automatics from INSA of Toulouse in 1986, PhD degree from the Laboratoire LAAS of Toulouse in 1989, and Doctorat d'Etat degree from the National School of Engineering of Tunis in 1997. He joined the Tunisian University in 1989, where he held different positions involved in research and education. Currently, he is a Professor of Automatic Control at the National School of Engineering of Sfax. His current interests include optimal control, sliding mode control, fuzzy systems, neural networks, etc.

---

Welcome to the first issue of 2017 which includes a collection of research papers in engineering, systems, signals and control. The editorial team processed a record of five papers in this first inaugural issue. I would therefore like to thank authors who submitted their research to this journal. On behalf of the editorial team, I would also like to recognise the reviewers of the journal for providing timely and significant feedback to authors and have greatly contributed to the quality of the accepted papers.

The *International Journal of Digital Signals and Smart Systems (IJDSSS)* provides a unifying framework for a wide range of engineering disciplines and industrial applications. The *Journal of Digital Signals* reflects this diversity by giving prominence to experimental applications and industrial studies. The *IJDSSS* is dedicated to the publication of high quality researches in branches of applied sciences and technology and serves to disseminate scientific knowledge on practical engineering and design methodologies pertaining to fields in the electrical engineering, particular emphasis will encompass practical aspects of the theory and methods of electrical engineering, the synergetic integration of system engineering with electronic, intelligent computer control and signal analysis in the design and manufacture of industrial products and processes. The *IJDSSS* has the advantage and the importance that it regroups at the same time several specialties and research works to realise industrial applications.

As the *IJDSSS* enters its first year of publication, there is however a lot to look forward to. The first thing we look forward is to create new initiatives to make the journal more exciting and useful to our readers. The first aim that comes in our line of sight in the next coming few years is to manage a bigger rate of manuscript submissions with consistently high-quality content from outstanding contributors. In a second place, we will plan to submit our applications for indexing. Because, the indexation is reserved for journals that have a reliable track record of publication and meritorious scientific content, our endeavour would be to increase the number of issues that *IJDSSS* will be publishing.

We sincerely hope that *IJDSSS* will become the primary platform for researchers to share research work and discuss all aspects of the electrical engineering field in the

development of future innovations that will benefit the international electrical engineering community. We are now welcoming submissions for future issues of the journal. Together, let us make *IJDSSS* happen.

Finally, we would like to take this opportunity to sincerely thank my colleagues at the editorial team including editorial board members who devoted extensive times and efforts to ensure high standards expected from the journal. We should also thank Inderscience who publishes the journal. Our colleagues at Inderscience are always ready to help the authors, reviewers and editors.