



11th International Conference on Control,
Decision and Information Technologies

July 15- 18, 2025

Split, Croatia

CALL FOR PAPERS - SPECIAL SESSION
**“Applied technologies of complex networks,
metrology, bioengineering and optics”**

for **CODIT 2025**

July 15-18, 2025 ▪ Split, Croatia

Session Co-Chairs:

Dr. Roberto Rafael Rivera Durón, Universidad de Guadalajara, Mexico
(email: roberto.rivera@lagos.udg.mx)

Session description:

This special session will provide a comprehensive view of how complex networks, metrology, bioengineering, and optics technologies help to address contemporary challenges and open new opportunities for research and development. Topics related to complex networks will be explored, offering an innovative way to model interconnected systems in biology, technology, and engineering. Advanced metrology applications for precise measurements will also be discussed in contexts like enhancing measurement techniques at both nano and macro levels. This session will also cover bioengineering applications, where complex network approaches will be applied to understand biological phenomena, diseases, and biomedical systems, as well as advancements in optical techniques for diagnosis, treatment, and visualization.

The session’s goal is to demonstrate how these disciplines converge to provide more effective and accurate solutions to several real-world challenges. Attendees will learn how the interconnection between complex networks, metrology, and optics is transforming the field of bioengineering and opening new avenues for scientific and technological innovation.

The topics of interest include, but are not limited to:

- High-precision optical metrology.
- Bio-inspired systems.
- Modeling complex networks in biology and medicine.
- Optical sensor for health monitoring.
- Modeling and control applied to medicine.

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **February 07, 2025**: <http://controls.paperecept.net/conferences/scripts/start.pl>. In PaperCept, click on the **CoDIT 2025** link “Submit a Contribution to CoDIT 2025” and follow the steps.

IMPORTANT: All papers must be written in English and should describe original work. The length of the paper is limited to a maximum of 6 pages (in the standard IEEE conference double column format).

DEADLINES

February 07, 2025: deadline for paper submission

April 27, 2025: notification of acceptance/reject

May 17, 2025: deadline for final paper and registration