



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

for **CODIT 2026**
July 13-16, 2026 ▪ Bari, Italy

Session Chair:

Dr. Roberto Rafael Rivera Durón, Universidad de Guadalajara, México
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Session description:

This special session provides an overview of how complex networks, dynamical systems, metrology, biomedicine, and optical technologies address contemporary scientific and technological challenges and foster new research directions. The session focuses on modeling, analysis, and control of interconnected and nonlinear systems, high-precision measurement techniques across multiple scales, biomedical applications for understanding biological and disease dynamics, and recent advances in optical methods for sensing, diagnosis, treatment, and visualization integrated with modeling and measurement approaches.

The goal of this session is to demonstrate how these disciplines converge to provide more accurate, robust, and efficient solutions to real-world problems. Attendees will gain insight into how the interplay between complex networks, dynamical systems, metrology, and optical technologies is transforming bioengineering research and fostering interdisciplinary scientific and technological innovation.

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

- High-precision optical metrology.
- Bio-inspired and bio-inspired dynamical systems.
- Modeling and analysis of complex networks in biology and medicine.
- Optical sensors and photonic systems for health monitoring.
- Modeling, control, and dynamical analysis applied to medical and biological systems.
- Nonlinear and complex dynamical systems.

SUBMISSION

Papers must be submitted electronically for peer review through PaperCept by **February 07, 2026:** <http://controls.paperccept.net/conferences/scripts/start.pl>. In [PaperCept](#), click on the **CoDIT 2026** link “Submit a Contribution to CoDIT 2026” 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, 2026: deadline for paper submission

April 30, 2026: notification of acceptance/reject

May 20, 2026: deadline for final paper and registration