


CEEPUS Special Session on Modelling, Simulation and Computer-aided Design



CEEPUS with focus to Advanced Communications

organized at SoftCOM 2026 from 17th - 19th of September 2026 in Split

The CEEPUS Special Session is organized under the frame of ConTEL 2026 Symposium in parallel with the CoBCom 2026 Colloquium (as part of SoftCOM 2026)

Chairs: Galia Marinova, Erich Leitgeb, Maja Matijašević, Dinko Begušić, Peter Planinšič, Wilfried Gappmair - organized by the CEEPUS network BG-1103 “Modelling, Simulation and Computer-aided Design in Engineering and Management”

The CEEPUS Special Session on Modelling, Simulation and Computer-aided Design with focus to Advanced Communications organized under the CEEPUS Network “BG-1103” has an old tradition and was held since the ConTEL 2019 and CoBCom 2020 every year related to the ConTEL and CoBCom conferences in Zagreb and Graz.

The CEEPUS Special Session will present the joint interdisciplinary research achievements in the CEEPUS Network BG1103 “Modelling, Simulation and Computer-aided Design in Engineering and Management with focus to Advanced Communications”. Topics as expert modules for automatic selection of online tools for power supply and printed circuit board design, optimization in microgrid energy management, AI-enhanced clustering analysis, Optimization model for communications between hospitals, SEIR framework for analysing the temporal spread of fake news will be considered.

IMPORTANT DATES

April 20, 2026: Full Papers, Due

May 30, 2026: Notification of Acceptance/Rejection

June 25, 2026: Camera Ready Papers, Due

PAPER SUBMISSION

Papers submitted to the CEEPUS Session at SoftCOM 2026 must not have been published, submitted, or accepted for publication elsewhere. IEEE policy regarding plagiarism and duplicate submission/publication will be strictly enforced. Papers may be submitted electronically before submission deadline, via EDAS under the link: <http://edas.info> or <https://edas.info/newPaper.php?c=34571>. Please select the Track “CEEPUS Session”. Paper submissions should follow the IEEE double-column format for conferences (templates available on the conference Website). Submitted papers will undergo a peer review process, coordinated by the Program Committee / Program Chairs.

Submission of a paper implies that, should the paper be accepted, at least one of the authors must register and attend the conference to present the work. Instructions and guidelines for electronic submission are available on SoftCOM 2026 Website and under CEEPUS Session <https://www.contel.hr/2026/> at ConTEL 2026 Website.

GENERAL INFORMATION - CEEPUS BG-1103

The CEEPUS Special Session on Modelling, Simulation and Computer-aided Design with focus to Advanced Communications is related to the content, tasks and objectives of the CEEPUS activity BG-1103, described below.

The most important objective of the CEEPUS network BG-1103 “Modelling, simulation and computer-aided design in engineering and management” is the cultural interaction of know-how and expertise in the frame of teaching and student exchange. The cultural denotation means that the different partners of the network are from different education origins. Especially in engineering and management the ability to apply new point of views or approaches to replace well known and established classical approaches is low. The network, on basis of the bilateral personal contact, should transport new considerations in the fields of the involved partner institutions. One example to illustrate: There are mathematical descriptions of models which are used in different fields of application, some models in electrical engineering, mechanical engineering and computer science, which are described by the same equations. Only the parameters are different interpreted in the particular circumstance. The different simulation environments in the disciplines force the scientists to implement the same model in different simulation environments in a different way. This could also work in other disciplines and make some problems regarding simulation easier to solve. This example should illustrate the main idea to distribute approaches of the different members of the network. This can help enormous when people are working in multidisciplinary projects during and after passing the education. Other important objective is to contribute to the setting of uniform criteria for PhD degrees in the field of modelling, simulation and computer-aided design in engineering and management, in the CEEPUS region.