

## **2024 Report by IFIP TC<sub>xx</sub>/WG<sub>xx</sub>**

**Date: 1.10.2024**

**Title of TC/WG: System Modeling and Optimization**

**Web-Site: <http://ifip-tc7.impan.pl/>**

**OCG Representative:**

**Barbara Kaltenbacher, [barbara.kaltenbacher@aau.at](mailto:barbara.kaltenbacher@aau.at)**

**Aims & Scope (with date):**

Computational aspects of optimization problems arising in such areas as Aerospace, Biomedicine, Economics, Meteorology, and Public Services (Health, Environment, Police, Fire, Transportation, etc.).

Some specific examples are:

- on-line and off-line computational techniques in modelling and control of dynamic systems;
- trajectory analysis and computation;
- optimization of decentralized systems (macro-economic systems) and systems with multicriteria;
- optimization of resource allocation in urban systems;
- optimization of pollution-control systems;
- optimization of man-machine systems;
- optimization of power systems operation.

**Officers (with e-mail): elected in August 2024**

**Chair: Christian Clason [c.clason@uni-graz.at](mailto:c.clason@uni-graz.at)**

**Vice Chairs:**

**Antonin Chambolle [antonin.chambolle@ceremade.dauphine.fr](mailto:antonin.chambolle@ceremade.dauphine.fr)**

**Irena Lasiecka [lasiecka@memphis.edu](mailto:lasiecka@memphis.edu)**

**Secretary:**

**Austrian Members in the TC, WGs:**

Christian Clason, Barbara Kaltenbacher, Wolfgang Ring, **Günter Haring**, **Kristian Bredies**, **Markus Haltmeier**, Thomas Pock, Elena Resmerita, Otmar Scherzer, Radu Bot

**Financial:**

**Main Items of the Budget**

## **Awards including WG Awards:**

## **Main Activities:**

31st IFIP TC7 Conference on System Modeling and Optimization

Hamburg, Germany, August 12-16, 2024

minisymposium organized by Austrian members:

“Inverse Problems for Partial Differential Equations” (C.Clason and B.Kaltenbacher)

meeting of IFIP TC7 board August 13, 2024:

Christian Clason (University of Graz) is elected Chair, Antonin Chambolle becomes Vice Chair of IFIP TC7