

Preface

We present the next issue of CAMES, in which articles addressing inverse problems are to be found. These articles were presented during the 5th International Conference on Inverse Problems Methods **IPM 2019** which was held at the Kombornia Manor Hotel, May 2019, where in the historical environment of a manor complex, surrounded by the English landscape park, one could both relax and find an inspiration for further research.

The **IPM 2019** Conference, one of the ECCOMAS Thematic Conferences, was a continuation of the previous IPM Symposia held in 2009, 2011 and 2017, which were devoted to inverse problems in mechanics. In contrast to previous IPM conferences, the IPM 2019 was of interdisciplinary character. The main objective of IPM 2019 was to gather scientists, engineers and researchers working in various fields of inverse problems to create a forum for the exchange of information and discussion on new research directions and applications in science and engineering within the areas of:

- mathematical theory and numerical algorithms,
- mechanics of structures and materials,
- heat transfer,
- other engineering disciplines,
- biology, biochemistry,
- genetics and medicine,
- tomography and inverse scattering,
- bioengineering,
- nondestructive evaluation,
- multiscale- and nano-engineering,
- geology and geophysics,
- environmental phenomena,
- economics.

The following issues of the 26th volume contain, among others, selected papers devoted to various aspects of inverse thermal problems in bioengineering and materials science, that were presented during the IPM 2019 Conference.

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