EDITORIAL

The 4th International Castle Meeting on Coding Theory and its Applications (4ICMCTA) took place in the Palmela Castle, Portugal, on September 15–18, 2014. It was organized under the auspices of the Research & Development Center for Mathematics and Applications (CIDMA) from the University of Aveiro. Following in the spirit of the previous installments held at La Mota Castle, Spain, in 1999 and 2008, and at Cardona Castle, Spain, in 2011, the meeting has been a good opportunity for communicating new results, exchanging ideas, strengthening international cooperation, and introducing young researchers into the Coding Theory community.

The event's scientific program consisted of four invited talks and 39 regular talks by 106 authors from 24 different countries. The topics of interest of this conference represent some of the most relevant research areas in modern Coding Theory: codes and combinatorial structures, algebraic geometric codes, group codes, quantum codes, convolutional codes, network coding and cryptography. The papers were submitted to a reviewing process implemented by the scientific committee of the conference with the collaboration of external reviewers, which guaranteed the high quality of the accepted contributions. The workshop proceedings were published in R. Pinto, P. Rocha Malonek, and P. Vettori (Eds.), *Coding Theory and Applications*, vol. 3 of CIM Series in Mathematical Sciences, Springer-Verlag, 2015.

The authors of the proceedings' contributions were invited to submit an extended version of their papers to be published in this special issue of *Advances of Mathematics in Communications*. The extended papers were subject to the standard reviewing process of this journal, under the responsibility of the editorial board and 14 papers where accepted for publication.

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