

ANNOUNCEMENT AND CALL FOR PAPERS

Information: <http://icmcta.uab.cat> or icmcta@deic.uab.cat



3rd International Castle Meeting on Coding Theory and Applications

Universitat Autònoma de Barcelona



We would like to invite you all to participate in the third International Castle Meeting on Coding Theory and Applications, which will be held in the Castell de Cardona, Barcelona. The previous two editions of this meeting took place in Castillo de la Mota, Medina del Campo, Valladolid in 1999 and 2008.

The Castell de Cardona is arguably the most important medieval fortress in Catalonia. It is situated on a hill overlooking the river valley of the Cardener and the town of Cardona. The fortress was initially constructed by Wilfred the Hairy in 886. It is in both the Romanesque and Gothic styles, and includes the so-called Sala Dorada and Sala dels Entresols. During the 14th century, the dukes of Cardona came from the most important family of the Crown of Aragon, which was second only to the royal house. Because of this, they were called “kings without crowns,” as they had extensive territories in Catalonia, Aragon, and Valencia, and dynastic ties with Castile, Portugal, Sicily, and Naples. During the Spanish War of Succession, the Castell de Cardona was the last redoubt of the supporters of Charles VI of Austria, before being occupied by Bourbon troops, which supported Philip V.

TOPICS: Algebraic-geometric codes, codes and combinatorial structures, codes and graphs, group codes, network coding, quantum codes, turbo codes and applications based on coding theory. Other related topics can also be considered at the discretion of the scientific committee.

INVITED SPEAKERS:

Robert Calderbank *Princeton University, USA*
Tuvi Etzion *Technion IIT, Israel*
Marcus Greferath *University College Dublin, Ireland*
Jennifer D. Key *Clemson University, USA*

SUBMISSIONS: Those wishing to contribute a 20 minute talk are invited to submit a 4-6 page extended abstract. Further information about the electronic submission will be posted at the meeting web site. Submitted extended abstracts should be of sufficient detail to be reviewed by experts in the field.

FINAL PROCEEDINGS: The book of proceedings (with ISBN) will be published by *Servei de Publicacions UAB*. It will be provided to the participants during the meeting and it will contain the accepted extended abstracts guaranteed to be presented at the meeting.

FULL PAPERS: Authors of accepted abstracts will have the option to submit a full version. After a second thorough refereeing process, the best papers will appear in a special issue of the journal *Designs, Codes and Cryptography*.

LANGUAGE: The official language will be English.

DEADLINES:

Abstract submission by: **May 1, 2011**
Notification of decision: June 1, 2011
Opening of the registration: June 2, 2011
Deadline for early registration: June 16, 2011
Final version abstract submission by: June 16, 2011
Full paper submission to DCC: October 31, 2011

STEERING COMMITTEE:

Àngela Barbero *UVa Valladolid, Spain*
Øyvind Ytrehus *UiB Bergen, Norway*

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Mercè Villanueva (co-chair of the Scientific Committee)

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