

# Invitation to Participate

## Workshop

### Groups, Designs and Cryptography Institute for Experimental Mathematics

June 21-22, 2012



Chairmen:

**Han Vinck**

Univ. Duisburg-Essen, Germany

**Spiros Magliveras**

Florida Atlantic University, USA

Local Arrangements:

**Pavel Svaba**

**Danica Behrends**

Important dates:

Book hotel rooms as soon as possible

June 1, 2012: Submission of final contribution (length and format is free)

Sponsors:

Institute for Experimental Mathematics

The Workshop on **Groups, Designs and Cryptography** will be held in Essen, Germany on June 21-22, 2012. The workshop is a tribute to Trung van Tran, who celebrates his 65<sup>th</sup> birthday.

Academia and industry professionals as well as students and researchers are invited to present and discuss ongoing and future work. Overviews and presentations with an educational character are also welcomed.

Other initiatives that make the workshop more profitable are encouraged.

The workshop starts on June 21 with a get-together. On June 22 we have the workshop sessions, a reception and the banquet.

Hotel: Rooms can be booked directly at the [Hotel Essener Hof](#), under the keyword TvT. Essen is 0,5 hours from Düsseldorf International Airport by train.

We plan a get-together and a workshop dinner. Participation is optional, but highly recommended.

For information: contact Prof. [Han Vinck](#), University of Duisburg-Essen, Germany (email: [vinck@iem.uni-due.de](mailto:vinck@iem.uni-due.de)) or <http://www.exp-math.uni-essen.de/~vinck/TvT-2012.pdf>

	<p><b>General</b></p> <p><b>Thursday afternoon</b></p> <p><b>Friday</b></p> <p><b>Spyros Magliveras</b></p> <p><b>Han Vinck</b></p> <p><b>Spyros Magliveras</b></p> <p><b>Bin Dai (Tsiao Tong, shanghai)</b></p> <p><b>I. Janiszczak/ R. Staszewski</b></p> <p><b>Reinhard Laue,, Michael Kiermaier</b> <b>University of Bayreuth</b></p> <p><b>Trung van Tran</b></p> <p><b>Friday evening</b></p>	<p><b>Program:</b></p> <p><b>Opening sessions</b> 18.00 Get-together</p> <p><b>Workshop contributions 09.00-18.00</b></p> <p><b>The family of cryptographic primitives <math>MST_i</math></b></p> <p><b>Applications of Discrete Mathematics in Digital Communications</b></p> <p><b>The wonderful mathematics of Prof. Trung van Tran</b></p> <p><b>Capacity for the wiretap channel with feedback</b></p> <p><b>Permutation codes of length 10 and distance 9</b></p> <p><b>Direct product actions of groups on t-designs</b></p> <p><b>An overview of his research</b></p> <p><b>Banquet 19.00</b></p>
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# Workshop Registration

**Groups, Designs and Cryptography**  
**Institute for Experimental Mathematics**  
**June 21-22, 2012**



Participants are requested to register by FAX (+49-201-183 7663) or Email ([behrends@iem.uni-due.de](mailto:behrends@iem.uni-due.de)) as soon as possible.

We prefer the registration fee (150 €) to be paid in cash in Essen.

Name	1 <sup>st</sup> name/init
Name of accompanying person	
Title of presentation	
Email address	
Signature	
Any special contribution, wishes?	