



## **2nd ICT-Energy International Doctoral Symposium**

*16th September, Bristol, UK*

### **Programme**

9:00 AM – 9:15 AM – Welcome and introduction

9:15 AM – 10:00 AM - Invited Talk – *Stephen Diestelhorst*  
(ARM Holding Ltd.)

10:00 AM – 10:30 AM - Evaluation of hybrid run-time power models for the ARM big.LITTLE architecture - *Krastin Nikov, Jose Nunez-Yanez* (University of Bristol, United Kingdom)

10:30 AM – 11:00 AM - Poster Session and Break

#### **Posters:**

- LANDAUER project
- ENTRA project
- Exa2Green project
- ParaDIME project
- PHIDIAS project
- SENSATION project
- SiNAPS project
- GREEN Silicon project
- Towards Low Power ICT project



11:00 AM – 11:30 AM – **Energy analysis of C program by analyzing its Horn clauses representation** - *Bishoksan Kafle and John P. Gallagher Roskilde University, Denmark*

11:30 AM – 12:00 Noon – **Thermoelectric characterization of electrochemically deposited Bismuth Telluride materials by micro fabricated resistive thermometry** - *F.Mirando<sup>1\*</sup>, A. Samarelli<sup>1</sup>, I. Nandhakumar<sup>2</sup>, A.J. Naylor<sup>2</sup>, M. Burton<sup>2</sup> and D.J. Paul<sup>1</sup>* (1 School of Engineering, University of Glasgow, Glasgow, 2School of Chemistry, University of Southampton, Southampton)

12:00 Noon – 1:00 PM – **Lunch and networking**

1:00 PM – 1:30 PM – **Energy saving for logic switches operating at extreme low voltage conditions** - *Francesco Orfei* (University of Perugia)

1:30 PM – 2:00 PM – **Worst case energy modelling** - *James Pallister and Kerstin Eder* (University of Bristol, United Kingdom)

2:00 PM – 2:30 PM – **NEMS memory bit at Landauer limit** - *I. Neri, D. Chiuchiù, M. Lopez-Suarez and L. Gammaitoni* (University of Perugia)

2:30 PM – 3:00 PM - **Probabilistic Resource Analysis** - *M. H. Kirkeby, and M. Rosendahl* (Roskilde University, Denmark)

3:00 PM - **Closing Remarks** by *Prof. Luca Gammaitoni*