

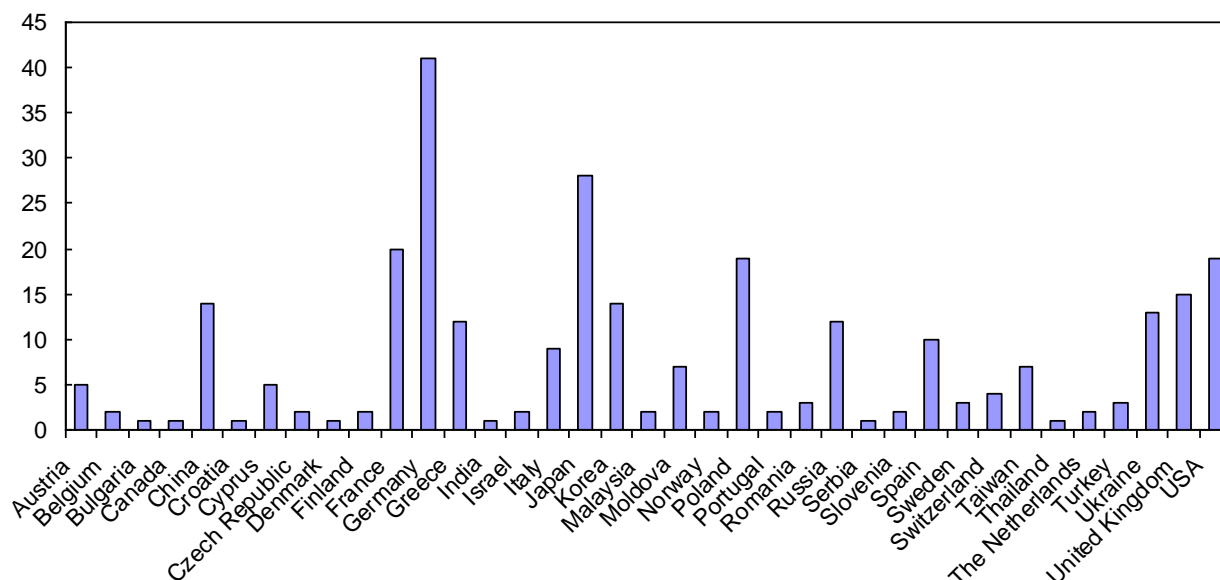
Introductory note to ECT2011

ECT2011 is the 9th in series of European Thermoelectric Conferences (ECT) which are promoted by the European Thermoelectric Society for favoring the dissemination of the scientific and technical progress in the field of thermoelectrics. It aims to enhance communication between research institutions and industries for the promotion of TE applications and to provide a forum for exchange of information and achievements.

The scope of ECT2011 covers a wide range of scientific research that bridges the gap between basic science and applications on thermoelectrics. Conference topics are:

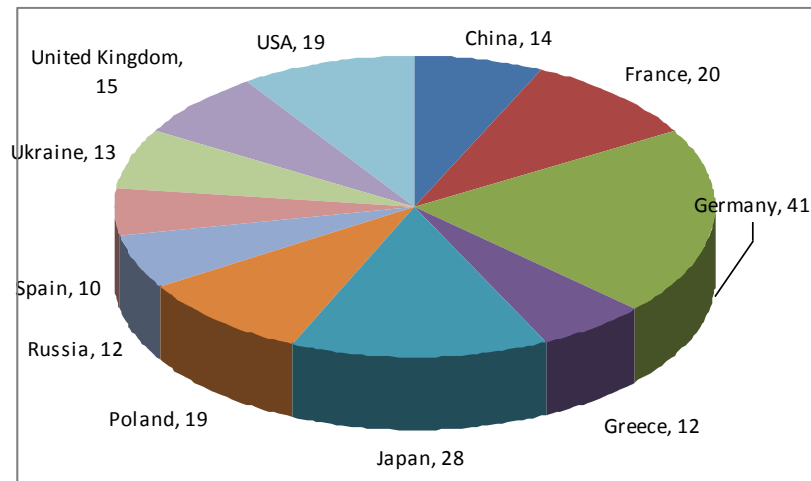
- Theory: theoretical studies of bulk materials, nanoscale and low-dimensional induced effects, novel concepts and related physical phenomena
- Thermoelectric Materials: Chalcogenides, skutterudites, antimonides, oxides, silicides & Heusler compounds, clathrates & zintl compounds, novel materials
- Measurement & Characterization: microstructure, properties
- Thermoelectric Modules: design and fabrication, thin film devices, device performance
- System & Industrial Applications: cooling applications, automotive applications, generator applications, other waste heat recovery, other industrial aspects

The ECT2011 invites experts, scientists and engineers from Research and Industry all around Europe and abroad to discuss the state-of-the-art of the technology, latest advances in material research, device design and market opportunities. The ECT2011 had a tremendous response by the scientific community: we have received 231 abstracts for oral and poster presentations, which along with the 12 contributions of invited speakers ranks ECT2011 as one of the bigger events in Thermoelectrics for 2011 and it underscores the rapidly rising interest in the field. 34 countries have contributed in the abstracts, with 288 individual authors, as can be seen in the following chart



Number of abstracts per country in ECT2011

Though ECT is a European Conference, we have received abstracts from many countries beyond Europe, like China, Japan, Korea, Taiwan, Israel, USA etc. Germany holds the lead with 41 contributions in abstracts, followed by Japan (28), France (20), USA (19) and Poland (19). The 10 most contributing countries are shown in figure below.



Descriptive pie chart of the 10 most contributing countries in ECT2011

TE materials lead in the distribution of contributions, by 59% (see figure bellow). This outlines the current dynamics on the field of thermoelectrics; still much of effort is given on the materials side as opposed to TE modules and industrial applications. 32% of the received papers acknowledge financial support of National or International projects, which underlines the continuous interest of Local or International bodies in the field of Thermoelectrics.

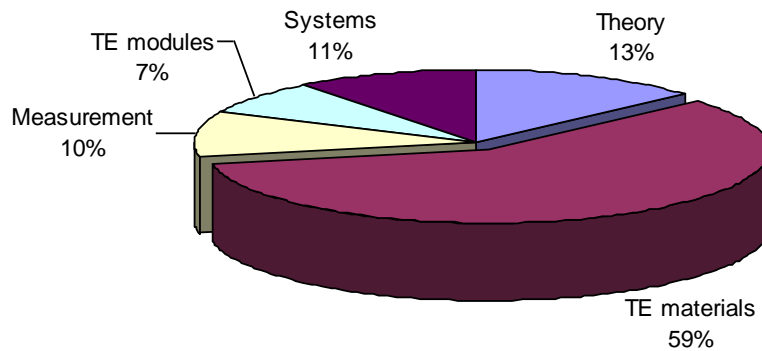
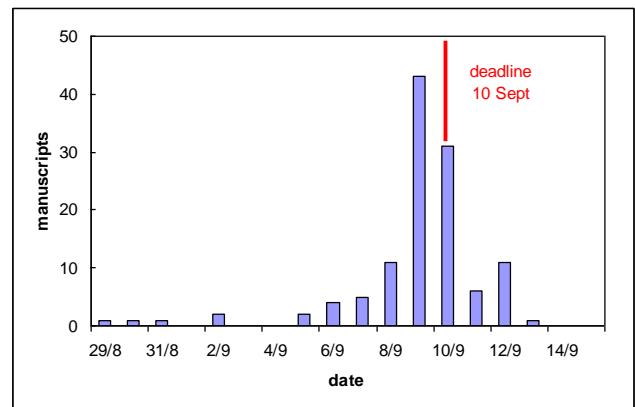
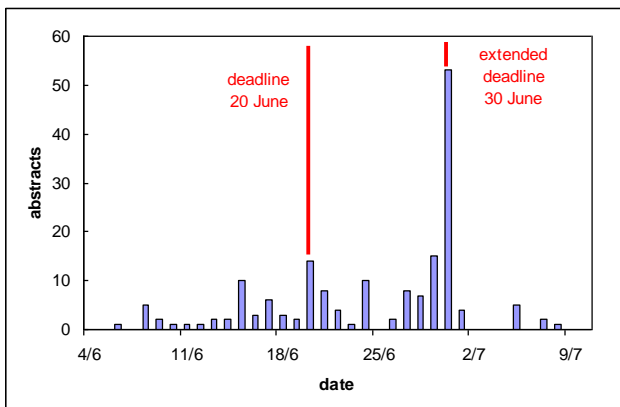


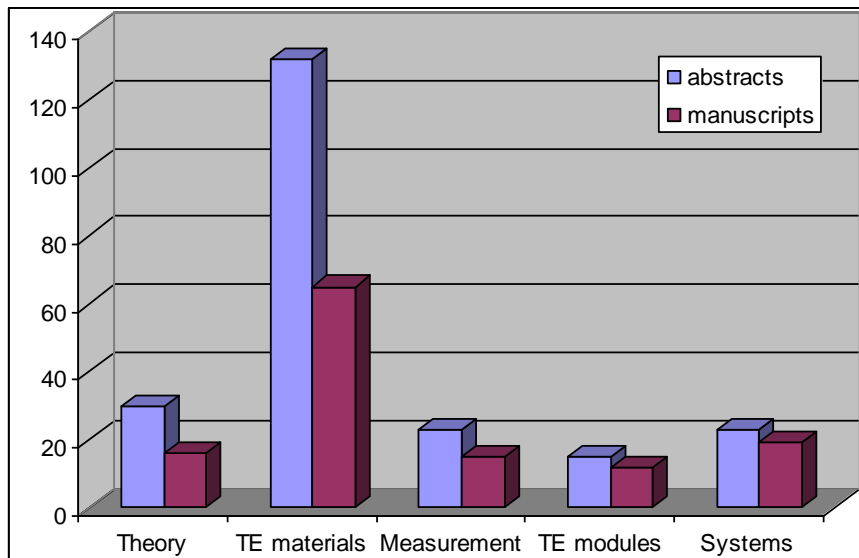
Chart of contributions in TE fields of application

Due to the strong response by the scientific community, and many requests from colleagues, we had to extend the initial deadline for abstract submission from June 20th to end of June. The ECT2011 site was still open for Last Minute Posters till the end of August. 10 Last Minute Posters were received. In the graph bellow you may see the per-day distribution of received abstracts and manuscripts.



Per-day distribution of abstracts (left) and manuscripts (right)

Out of the 243 abstracts received (231 for oral and poster presentations + 12 for invited talks) 10 abstracts were withdrawn by their authors. The remaining abstracts were equally distributed in oral and poster presentations. Bellow you may see the distribution of received contributions in ECT2011 (abstracts and manuscripts). Authors submitted a manuscript for about 60% of received abstracts. For those papers where no manuscript has been submitted, the abstract appears in the CD of Conference Proceedings.



Distribution of received contributions in ECT2011 (abstracts and manuscripts)

We feel confident that you will enjoy ECT2011 both scientifically and socially and that it will also be a wonderful chance to meet old friends and make new ones, and that the conference will be a memorable event.

On behalf of the Organizing Committee,

Professor K.M. Paraskevopoulos, (AUTH, GRE) Chairman of ECT2011

Professor M.G. Kanatzidis (Northwestern, USA) Co-Chairman of ECT2011