

# Jaen Approximation Project

The Jaen Approximation Project aims to contribute to the development of research in approximation theory by encouraging the exchange of ideas through the interaction among researchers in the area, becoming Jaén a meeting-point in approximation theory. The Jaen Approximation Project seeks quality and wishes that its participants feel part of the project.

The Jaen Journal on Approximation is part of the Jaen Approximation Project. The Jaen Approximation Project would like to express its gratitude to so many outstanding researchers that contribute as editors, authors or referees in the Jaen Journal on Approximation. Also it would like to express its gratitude to all these people, enterprises and institutions that have supported the project, specially the Diputación Provincial de Jaén (the provincial government) and the Obra Socio Cultural de Caja de Jaén. Thanks to the Diputación Provincial de Jaén and the Obra Socio Cultural de Caja de Jaén several thousands of copies of the first issues are sent to researchers and institutions in the world. In this way, the Journal and the papers are well known. Support of researchers and institutions will make possible that Jaen Approximation Project continues with its activities. Subscribers' support is very much welcome.

In addition to the journal, ten editions of an international meeting, known for short as Ubeda Meeting, has been organized since 2000. The participation in the Ubeda Meeting is by invitation and limited to 30/40 people, making it as fruitful as possible. During 4/5 days, participants can attend around 30 lectures, exchange ideas, taste different and nice foods,

visit singular places as Castles, Renaissance Palaces, World Heritage Sites, view Flamenco Show, etc. Conversations during meals, walks, visits provide opportunities to learn from one another. Any researcher who wishes to participate may contact the organization ([jja@ujaen.es](mailto:jja@ujaen.es)) and his/her request will be attended as soon as possible by sending an invitation.

I Jaen Conference on Approximation (Ubeda, Spain, 2010) with a special session dedicated to Mariano Gasca.

The Jaen Approximation Project strives to have as many new researchers as possible taking part in its activities. In the period July 4-9, 2010, a new activity was organized: The First Jaen Conference on Approximation Theory, Computer Aided Geometric Design, Numerical Methods and Applications. It included a special session dedicated to Professor Mariano Gasca on the occasion of his retirement. Professor Gasca, a relevant Spanish mathematician, is very related to Jaén, for instance, he was the first Director of the Jaén branch of the University of Granada, he is a member of the editorial board of Jaen Journal on Approximation, member of the Scientific Committee of the Ubeda Meeting on Approximation and he has many academic descendants in Jaén.

More than 140 researchers from 27 countries participated in the Conference.

The Conference featured six invited speakers who gave one-hour plenary talks:

- Doron S. Lubinsky (Georgia Institute of Technology, USA)
- Francesco Altomare (Università degli Studi di Bari, Italy)
- Jesús M. Sanz Serna (Universidad de Valladolid, Spain)
- Nira Dyn (Tel-Aviv University, Israel)
- Vilmos Totik (University of South Florida, USA and University of Szeged, Hungary)
- Yuan Xu (University of Oregon, USA)

Günter W. Mühlbach and Victoriano Ramírez gave plenary short lectures dedicated to Mariano Gasca.

We scheduled almost 90 short talks and a poster session. We also provided the possibility to organizing mini-symposia on a subject of current interest. The following proposals were accepted: "Asymptotic Methods in Analysis" organized by Diego Dominici, and "Non standard Orthogonal Polynomials" organized by Francisco Marcellán, Teresa E. Pérez, and Miguel A. Piñar.

The objective of this conference was to provide a useful and nice forum for researchers in the subjects to meet and discuss. In this sense, the conference program was designed to keep joined the group during five days with a program full of scientific and social activities, including visits to castles, renaissance palaces, cathedrals, world heritage cities, ..., and tasting a wide culinary variety. Participants had the opportunity to converse and to learn from one another during meals, walks and visits. Accompanying people had the opportunity to enjoy the social side of conference.

The Organizing Committee wishes to thank to all participants and accompanying people for attending the conference and creating a special atmosphere.

## II Jaen Conference on Approximation (Úbeda, Spain, 2011) dedicated to Dany Leviatan.

In 2011 a new edition of the Jaen Conference on Approximation Theory will be organized in Úbeda in the period June 26- July 1. The conference will be dedicated to Prof. Dany Leviatan on the occasion of his retirement. From 2001, Prof. Leviatan has helped to consolidate the Úbeda Meeting series, to launch the Jaen Journal on Approximation and to organize the Jaen Conference. Now, on the occasion of his retirement, the Jaen Approximation Project wishes to thank him for his invaluable support.

All researchers are invited to participate.

The preliminary list of invited speakers is:

- Allan Pinkus (Technion, Israel)
- Francisco Marcellán (Universidad Carlos III de Madrid, Spain)
- Hrushikesh N Mhaskar (California State University, USA)
- Igor Shevchuk (University of Kyiv, Ukraine)
- Kirill A. Kopotun (University of Manitoba, Canada)
- Ronald DeVore (Texas A&M University, USA)
- Tom Lyche (University of Oslo, Norway)
- Zeev Ditzian (University of Alberta, Canada)

The Conference will be devoted to some significant aspects on Approximation Theory, Computer Aided Geometric Design, Numerical Methods and the Applications of these fields in other areas.

We invite you to contribute with a talk or a poster. We provide the possibility to organizing mini-symposia on a subject of current interest.