

# Jaen Approximation Project

The Jaen Approximation Project aims to contribute to the development 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 the 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 sincerest gratitude to so many outstanding researchers that contribute as editors, authors and referees in the Jaen Journal on Approximation.

Also it would like to express its gratitude to all the different people and institutions that have supported the project, specially the Diputación Provincial de Jaén. Thanks to them, in the first years we have focused on making the journal better known, sending thousands of copies to researchers all over the world in what may be an unprecedented effort.

Thanks to researchers and supporters the Jaen Journal on Approximation is now well known and it is able to invite to contribute to all researchers on approximation theory and its applications in their broadest sense.

Authors and referees will get discounts in the activities of the Jaen Approximation Project and they will be granted with online access (IP address) during a year to the Jaen Journal on Approximation.

Also Institutions will be granted with online access (institutional IP range) during a year to the journal when a member publishes a paper in the Jaen Journal on Approximation.

In this way, Institutions with a good group of researchers in approximation will obtain indefinite free access to the Jaen Journal on Approximation if they submit a good paper a year.

If authors are committed with their institutions to include their papers in eventual institutional repositories, then the Jaen Journal on Approximation will provide copies with this purpose.

Members of subscriber institutions of the Jaen Journal on Approximation will get special discounts in the activities of the Jaen Approximation Project.

In the next years, we will need the help of universities and research centers. We think that if many institutions subscribe, we will be able to offer a quality journal at a reduced price, and be able to support the researchers (editors, authors and referees), the true creators of any publications.

In our web page, researchers will be able to obtain information about the number of received, printed, in press or in referee process papers. It also includes the number of pages, in such a way that authors will be able to estimate when their papers could be printed if they were accepted. In this moment the average time from reception to publication is one year.

# VI Jaen Conference on Approximation

Úbeda, Spain, June 28th-July 3rd, 2015

In addition to the journal, an international meeting, known for short as Ubeda Meeting, was organized annually since 2000 till 2009. The participation in the Ubeda Meeting was by invitation and limited to 30/40 people, making it as fruitful as possible. During 4/5 days, participants could attend around 30 lectures, exchange ideas, taste different and nice foods, visit singular places as Castles, renaissance Palaces and World Heritage Sites, enjoy Flamenco shows, etc. Discussions during meals, walks, and visits provided opportunities to exchange ideas.

After ten editions of the Ubeda Meeting, in 2010 a new activity was launched: The Jaen Conference on Approximation, Computer Aided Geometric Design, Numerical Methods and Applications. There the participation is, not only by invitation, more on the contrary all researchers in approximation theory in its broadest sense are welcome.

The sixth edition of the Jaen Conference on Approximation was hold, as usual, in Úbeda, a World Heritage Site, in the period June 28th-July 3rd, 2015.

The Scientific Committee included the following researchers:

András Kroó, Alfréd Rényi Institute of Mathematics, Hungarian Academy of Sciences, Hungary

Antonio-Jesús López-Moreno, Universidad de Jaén, Spain

Charles A. Micchelli, University at Albany, State University of New York, USA

Daniel Cárdenas-Morales, Universidad de Jaén, Spain

Dany Leviatan, University of Tel-Aviv, Israel

Doron S. Lubinsky, School of Mathematics, Georgia Institute of Technology, USA

Francesco Altomare, Dipartimento di Matematica, Università degli Studi di Bari, Italy

Francisco Marcellán, Universidad Carlos III de Madrid, Spain

Francisco-Javier Muñoz-Delgado, Universidad de Jaén, Spain

Giuseppe Mastroianni, Università degli Studi della Basilicata, Italy

Hrushikesh N Mhaskar, California State University, USA

Igor Shevchuk, University of Kyiv, Ukraine

José Antonio Adell, Universidad de Zaragoza, Spain

József Szabados, Hungarian Academy of Sciences, Hungary

Kirill A. Kopotun, University of Manitoba, Canada  
Kurt Jetter, Universität Hohenheim, Germany  
Manfred v. Golitschek, Universität Würzburg, Germany  
Marie-Laurence Mazure, Université Joseph Fourier de Grenoble, France  
Martin Buhmann, Justus-Liebig-Universität Giessen, Germany  
Miguel A. Jiménez-Pozo, Universidad de Puebla, Mexico  
Paul Sablonnière, INSA Rennes, France  
Tom Lyche, University of Oslo, Norway  
Vilmos Totik, University of South Florida, Tampa, USA & University of Szeged, Hungary  
Zeev Ditzian, University of Alberta, Canada

The Scientific Committee proposed the Invited Plenary Speakers. They gave the following lectures:

Asuman Güven Aksoy, Claremont McKenna College, USA

”Bernstein’s lethargy theorem in Fréchet spaces”

Annie Cuyt, University of Antwerp, Belgium

”Exponential analysis, Sparse interpolation and Padé approximation”

Kathy Driver, University of Cape Town, South Africa

”Orthogonal polynomials and interlacing of zeros”

Dany Leviatan, University of Tel-Aviv, Israel

”Comparing the degrees of unconstrained and constrained approximation by polynomials”

Carla Manni, University of Rome Tor Vergata, Italy

”Isogeometric methods based in generalized B-splines”

Gerlind Plonka, University of Göttingen, Germany

”Deterministic sparse FFT algorithms”

Maria Skopina, St. Petersburg State University, Russia

”Exact and Falsified Sampling Approximation”

The organization also scheduled 16 talks and a poster session. About 50 participants from 11 countries (Belgium, France, Germany, Hungary, India, Israel, Italy, Mexico, South Africa, Spain, USA) attended the Conference.

Invited lectures, talks and posters sessions were scheduled in four days, during five hours in the mornings. After lunch, participants could visit Ubeda and Baeza (renaissance cities include in the list of World Heritage of Humanity). We also celebrated the Summer Solstice in the Sinagoga del Agua and we visited Cazorla, A parallel program for accompanying people was also organized.



