

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.

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.

VII Jaen Conference on Approximation

Úbeda, Spain, July 3rd-8th, 2016

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 seventh edition of the Jaen Conference on Approximation was hold, as usual, in Úbeda, a World Heritage Site, in the period July 3rd-July 8th, 2016.

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

Annie Cuyt, University of Antwerp, Belgium

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

Francisco Marcellán, Universidad Carlos III de Madrid, Spain

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

Giuseppe Mastroianni, Università degli Studi della Basilicata, Italy

Guillermo López Lagomasino, Universidad Carlos III de Madrid, Spain

Hrushikesh N Mhaskar, California State University, USA

José Antonio Adell, Universidad de Zaragoza, Spain

József Szabados, Hungarian Academy of Sciences, Hungary

Kathy Driver, University of Cape Town, South Africa

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
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:

Helmut Pottmann, Vienna University of Technology, Austria and King Abdullah University of Science & Technology, Kingdom of Saudi Arabia
"Approximation with polyhedral patterns"
Igor E. Pritsker, Oklahoma State University, USA
"Zeros of random orthogonal polynomials"
María José Cantero, Universidad de Zaragoza, Spain
"Darboux for CMV, Christoffel, Geronimus and integrable systems"
Peter Vertesi, Alfrd Rnyi Institute of Mathematics, Hungarian Academy of Sciences, Hungary
"The BernsteinErdős conjecture for certain Haar (Tchebycheff) systems"
Peter Yudistkii, Johannes Kepler University Linz, Austria
"GMP matrices: recurrence relations for special orthonormal families of rational functions"
Walter Van Assche, University of Leuven, Belgium
" Simultaneous Gaussian quadrature for Angelesco systems"
Yuesheng Xu, Syracuse University, Syracuse, NY, USA and Sun Yat-sen University, Guangzhou, China
"Mathematics in data analysis"

About 50 participants from 13 countries (Austria, Belgium, China, Estonia, Hungary, Israel, Italy, Poland, Russian Federation, South Africa, Spain, Thailand and USA) attended the Conference.

Invited lectures, talks, posters sessions and a joint work session together with Theodor Angheluta Conference 2016 held in Cluj (Romania) were scheduled in four days, during five hours in the mornings. We also visited Úbeda and Baeza (renaissance cities include in the list of World Heritage of Humanity), Cástulo, Linares and La Iruela, A parallel program for accompanying people was also organized.







