Jaen Approximation Project

he Jaen Approximation Project aims to contribute to the development of research in approximation theory by encouraging the exchange of ideas through the interaction between researchers in the area, making Jaen 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. In addition to the journal, an international meeting, known for short as Ubeda Meeting, has been organized annually since 2000.

The Jaen Approximation Project strives to have as many new researchers as possible taking part in its activities. In addition, if the project continues with the collaboration of researchers and finds new sponsors, the Jaen Approximation Project will try to start new activities. The Jaen Approximation Project makes an effort to provide support to participants in their activities.

The researchers/institutions who wish to show their support to this project and/or to take part in its activities can state so on the web page of the Jaen Journal on Approximation (http://jja.ujaen.es).

Finally, the province of Jaen in Andalusia (in the South of Spain) has rich historical and gastronomic wonders. The Renaissance is very much present in this province with towns declared by the UNESCO as World Heritage of Humanity, natural parks, castles and vast fields of groves of planted olive trees. The Jaen Approximation Project also endeavours to introduce researchers to this province and consequently, several pages in the Jaen Journal on approximation are devoted to doing so.

Ubeda Meeting on Approximation

The International Meeting on Approximation of the University of Jaen

hince its beginnings at the University of Jaen in 1993, several professors of the Department of Mathematics have worked to consolidate a solid research group in approximation theory. In 2000, an important year for the mathematical world, they decided to organize an international meeting on approximation in order to guarantee permanent research contacts with other specialists of this area of knowledge.

As far as the location of the meeting is concerned, the organizers looked for places with a sort of special charm, and after going here and there they choose as official site the hotel María de Molina in the town of Ubeda (Jaen, Spain), declared World Heritage Site by the UNESCO in 2003. The success achieved soon made it possible to continue organizing the conference year after year and to invite prominent mathematicians from the whole world, thus making Jaen become, little by little, edition after edition, a meeting-point on approximation theory. Each member of the Editorial Board of the Jaen Journal

on Approximation has visited Jaen and attended at least one Ubeda Meeting, and since 2008 belongs to its Scientific Committee.

For the sake of quality, it was decided since the very beginning that the participation in the seminars would be by invitation only, restricting, in this way, the number of participants and making them as fruitful as possible. Any researcher who wishes to participate may contact the organization and his/her request will be attended as soon as possible by sending an invitation. No limitations on the subject and style of the talks were imposed; contributions of all types were welcome and no parallel sessions were scheduled.

Aside from the scientific details, an important part of the time is devoted to getting to know Jaen, so the social events of the conference include visits, walks, gastronomy, etc.

The next edition will be held in the period spanning June 27-July 2, 2009. It counts on a long list of invited speakers to celebrate on one hand, the tenth anniversary and, on the other the launching of the Jaen Journal on Approximation.

The Organizing Committee wishes to express its gratitude to all participants and colleagues for so many contacts and permanent friendships and to thank all the different people, enterprises, institutions and local governments that have offered their support:

The University of Jaen (Vicerrectorado de Extensión Universitaria. Vicerrectorado de Investigación, Facultad de Ciencias Experimentales, Departamento de Matemáticas), Junta de Andalucía, Ministerio de Ciencia y Tecnología, Ministerio de Educación y Ciencia, Ministerio de Asuntos Exteriores y Cooperación, Diputación Provincial de Jaén, Excmos. Ayuntamientos de Úbeda, Baeza, La Carolina, Andújar, Quesada, Caja Rural Jaén, Alfarería Tito, Fundación del Olivar, Castillo de Canena, UNIOLIVA, CENTIA, Orellana Perdiz, Museo Zabaleta, Museo Del Val, etc. and specially to Hotel María de Molina, its staff and Juan Navarro, our Chef.

Members of Organizing Committees (2000/08)

Francisco Javier Muñoz Delgado (Chairman)

Antonio Damas Serrano Antonio Jesús López Moreno Antonio Molina Tébar Baltasar Sánchez Marín Daniel Cárdenas Morales Esther García Caballero Francisco Tomás Sánchez Cobo Joaquín Jódar Reves José Ángel Cid Araújo José María Almira Picazo José María Quesada Teruel Juan Martínez Moreno Juan Navas Ureña María Francisca Molina Alba Naira del Toro Modolell Pedro Garrancho García Samuel Gómez Moreno

Universidad de Jaén, Spain

Miguel Pasadas Fernández Victoriano Ramírez González

Universidad de Granada, Spain

Members of Scientific Committees (2000/08)

András Kroó, Alfred Rényi Institute, Hungary Bernd Bank, Humboldt-Universität zu Berlin, Germanv Dany Leviatan, University of Tel-Aviv, Israel Francisco Marcellán, Universidad Carlos III de Madrid, Spain Francisco-Javier Muñoz-Delgado, Universidad de Jaén, Spain Guillermo López Lagomasino, Universidad Carlos III de Madrid, Spain Hrushikesh N. Mhaskar, California State University, USA José A. Adell, Universidad de Zaragoza, Spain Kirill A. Kopotun, University of Manitoba, Canada Kurt Jetter, Universität Hohenheim, Germany Manfred von Golitschek, Universität Würzburg, Germany Mariano Gasca, Universidad de Zaragoza, Spain Marie-Laurence Mazure, Université Joseph Fourier, France Martin Buhmann, Justus-Liebig-Universität Giessen, Germany Miguel A. Jiménez-Pozo, BUAP, Mexico Miguel Marano-Calzolari, Universidad de Jaén, Spain Narendra K. Govil, Auburn University, USA

Pablo González-Vera, Universidad de La Laguna, Spain Paul Sablonnère, INSA de Rennes, France Victoriano Ramírez-González, Universidad de Granada, Spain Zeev Ditzian, University of Alberta, Canada

Invited Speakers (2000/08)

Allan Pinkus, Israel András Kroó, Hungary Andrei Martínez Finkelshtein, Spain Andrés Fraguela, Mexico Antonio Durán, Spain Bernd Bank, Germany Bernd Wegner, Germany Bojan Popov, USA Dany Leviatan, Israel Dimitar K. Dimitrov, Brazil Eduardo Godoy, Spain Enrique Zuazua, Spain Fabián E. Levis, Argentina Felipe Zó, Argentina Francesco Altomare, Italy Francisco Marcellán, Spain Giuseppe Mastroianni, Italy Guenter W. Muehlbach, Germany Guillermo López Lagomasino, Spain Hans Strauss, Germany Héctor H. Cuenya, Argentina Héctor Pijeira Cabrera, Spain Hrushikesh N. Mhaskar, USA Ignacio Pérez Izquierdo, Cuba Igor Shevchuk, Ukraine Ioan Gavrea, Romania Ioan Rasa. Romania Jean-Louis Merrien. France Jesús Illán, Spain Jesús M. Carnicer, Spain Jorge Bustamante, Mexico José A. Adell, Spain José Luis González-Llavona, Spain József Szabados, Hungary Juan José Torrens, Spain Juan-Manuel Peña, Spain Kirill A. Kopotun, Canada Kurt Jetter, Germany Manfred V. Golitschek, Germany Manuel Bello, Spain

María Isabel Garrido, Spain Mariano Gasca, Spain Marie-Laurence Mazure, France Marie-Madeleine Derriennic. France Martin Buhmann, Germany Maxim Todorov, Mexico Michael Prophet, USA Miguel A. Jiménez-Pozo, Mexico Miguel Antonio Goberna, Spain Miguel Pasadas Fernández, Spain Mircea Ivan, Romania Narendra K. Govil. USA Oscar Ciaurri, Spain Pablo González-Vera, Spain Paul Sablonnière, France Peter Vertesi, Hungary Ram N. Mohapatra, USA Sergey Tikhonov, Italy Ulrich Abel, Germany Uwe Luther, Germany Victoriano Ramírez González, Spain Vijay Gupta, India Vilmos Totik, Hungary Yuliya Babenko, USA Zeev Ditzian, Canada

Abdel Kouibia, Spain Antonia M. Delgado, Spain Antonio López Linares, Spain Carmen Calvo-Jurado, Spain Claudia Ridolfi, Argentina Domingo Barrera, Spain Domingo Gámez, Spain Ignacio Alvarez Rocha, Spain Inconorata Notarangelo, Italy Juan M. Hernández, Spain Luisa Fermo, Italy Maria C. De Bonis, Italy Miguel A. Fortes, Spain Olga Holtz, USA

Speakers from Jaen (2000/08)

Antonio Damas Serrano Antonio Jesús López Moreno Antonio Molina Tébar Daniel Cárdenas Morales Esther García Caballero Francisco Javier Muñoz Delgado Francisco Tomás Sánchez Cobo Joaquín Jódar Reyes José Angel Cid Araujo José Luis Maroto Romo José María Almira Picazo José María Quesada Teruel Juan Fernández Ochoa Juan Martínez Moreno Juan Navas Ureña María José Moncayo Hormigo Miguel Marano Calzolari Naira Del Toro Modolell Pedro Garrancho García Rafael Sánchez Fernández Ramón Castillo Castillo Samuel Gómez Moreno

Ubeda Meeting on Approximation



Visit to Baeza, 2007 Palacio Jabalquinto



Lectures room, 2003 Hospital de Santiago, Úbeda



Lectures room, 2002 Hospital de Santiago, Úbeda



Group Picture, 2005 Hospital de Santiago, Úbeda





Group Picture, 2000 Hotel de María, Úbeda



Olive oil tasting, 2008 Úbeda





Visit to Andújar, 2006 Museo del Val



Gala Dinner, 2001 Palacio Marqués de la Rambla, Úbeda

X Ubeda • **Meeuno** on approximation

Ubeda, June 27, July 2, 2009

Preliminary list of Invited Speakers

András Kroó, Hungary Boris Kashin, Russia Borislav Bojanov, Bulgaria Claude Brezinski, France Dany Leviatan, Israel Francisco Marcellán, Spain Giuseppe Mastroianni, Italy Gradimir V. Milovanovic', Serbia Guillermo López Lagomasino, Spain Herbert Stahl, Germany Hrushikesh N. Mhaskar, USA Ioan Rasa, Romania Joachim Stoeckler, Germany José Antonio Adell, Spain József Szabados, Hungary Kirill A. Kopotun, Canada Kurt Jetter, Germany Manfred V. Golitschek, Germany Mariano Gasca, Spain Marie-Laurence Mazure, France Martin Buhmann, Germany Miguel A. Jiménez Pozo, Mexico Nira Dyn, Israel Paul Nevai, USA Paul Sablonnière, France Quoc Thong LeGia, Australia Shayne Waldron, New Zealand Tom Lyche, Norway Vladislav F. Babenko, Ukraine Yuan Xu, USA Zeev Ditzian, Canada