

Congrès Multivariate Approximation and Interpolation with Applications (MAIA 2016)

Approximation theory has evolved from classical work by Chebyshev, Weierstrass and Bernstein into an area that combines a deep theoretical analysis of approximation with insights leading to the invention of new computational techniques. Such invaluable tools of modern computation as orthogonal polynomials, splines, finite elements, Bézier curves, NURBS, radial basis functions, wavelets and subdivision surfaces have been developed and analysed with the prominent help of ideas coming from approximation theory.

The workshop is devoted to the approximation of functions of two or more variables. This area has many challenging open questions and its wide variety of applications includes problems of computer aided design, mathematical modelling, data interpolation and fitting, signal analysis and image processing. The Workshop will be the 13th Conference of MAIA series and it will be held, on 18-23 September 2016, at CIRM

This conference is intended to be a platform for researchers in approximation theory and its Applications with a strong interest in multivariate approximation and interpolation. The aim of this workshop is also to bring together researchers working in these topics. Participants will present and discuss their latest results.

Relevant topics of the MAIA conference include, but are not limited to the following :

- Multivariate approximation and interpolation,
- Spline theory, Radial basis functions, polynomial approximation,
- Subdivision schemes, Shape preservation,
- Meshless approximation, Finite elements method,
- Wavelets theory and applications,
- Problems in high-dimensions,
- Numerical Methods for approximation,

Organizing Committee

- Abderrahman Bouhamidi, University of Littoral, Calais, France,
- Albert Cohen, University of Pierre and Marie Curie, Paris, France,
- Costanza Conti, University of Florence, Italy,
- Christophe Rabut, INSA, Toulouse, France.

[For further informations](#)