

First French-Spanish Congress of Mathematics
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Functional Analysis: new trends and applications

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Abstract: Functional analysis is the study of linear and algebraic structures in infinite-dimensional spaces. It started with the work of Hilbert, Fredholm and Toeplitz at the beginning of the 20th century and has evolved into a number of distinctive areas of active research.

We have prepared a session which contemplates the topic of Functional Analysis from an open and broader point of view; so, several related topics of active research are included. The Network on Functional Analysis and Applications, recently established in Spain, supports this special session

July 2007, 12th

11:30-12:20 Jonathan R. Partington: Interpolation by vector-valued analytic functions and applications to controllability.

12:20-13:10 Cesar Palencia: Gaussian estimates and holomorphic calculus: a Krylov's method approach

13:10-13:40 José Luis Torrea: Transferring strong boundedness among Laguerre orthogonal systems

16:45-17:35 Jesús Bastero: High dimensional sections of centrally symmetric, isotropic convex bodies

17:35-18:25 Manuel Maestre: Dirichlet series and local theory of Banach spaces

18:25-19:15 Miguel Martin: The group of isometries of a Banach space and duality

19:15-19:45 Maria D. Acosta: Some isometric property of the symmetric projective tensor product

July 2007, 13th

11:30-12:00 Ana M. Sanz: Functional analysis techniques in the context of skew-product semiflows

12:00-12:30 Tuomas Hytonen: Kato's square root problem and harmonic analysis in Banach spaces

12:30-13:00 Bernhard Haak: Uniformly γ -radonifying operators and the linear stochastic Cauchy problem in Banach spaces

13:00-13:30 Markus Haase: Transference Principles and Functional Calculus for Groups and Cosine Functions

15:30-16:00 Mohammed Berkani: On the equivalence of Weyl and generalized Weyl theorem

16:00-16:30 Salah Mecheri: On the Kleinecke-Shirokov and Weber's Theorems

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