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PREFACE: FUNCTIONAL ANALYSIS AND ITS APPLICATIONS

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Special Issue on Functional Analysis and Its Applications dedicated to Professor Gilles Godefroy on the occasion of his 70th birthday

This special issue on Functional Analysis and Its Applications is dedicated to Professor Gilles Godefroy on the occasion of his 70th birthday.

Gilles Godefroy (born in 1953) is an outstanding French mathematician who has made significant contributions to Functional Analysis. He is a former student of the Ecole Normale Superieure in Paris. A student of Gustave Choquet, in 1976 he joined the Centre National de la Recherche Scientifique (CNRS) as a junior researcher. Until his retirement in 2019, Gilles Godefroy was a research director at the CNRS. He also spent five years at the University of Missouri at Columbia as a visiting professor. Gilles Godefroy has authored 5 books and about 190 papers. He has had 21 PhD students.

In this special issue we present papers authored by a select group of experts in the areas of Functional Analysis and its applications. The special issue contains sixteen papers contributed by researchers from Austria, Belgium, Canada, Czech Republic, France, India, Israel, Italy, Spain, Switzerland, and USA. These papers cover a wide spectrum of important problems and topics of current research interest, including Toeplitz-like operators induced by non-zero scaled hypercomplex numbers, a strong Bishop-Phelps property, an asymptotic analog of a local-to-global phenomenon for uniformly convex renormings, a bipolar theorem, orthogonality of invariant measures for weighted shifts, non-linear embeddings into $c_0(\Gamma)$, norming Markushevich bases, composition operators on weighted Hardy spaces, symplectic, metaplectic groups and integrals of the Wigner distribution, the compact operators on c_0 as a Calkin algebra, a proximal variable smoothing for solving composite inclusion problems, alternating Bregman projections, Frechet differentiability and quasi-polyhedrality in function spaces, kernels and covariance structures in Hilbert space Gaussian processes, shading the complemented subspace problem, and the Krasnoselskii-Mann method for common coincidence problems.

We hope that this special issue is of importance for many mathematicians interested in recent developments in Functional Analysis as well as in its diverse applications.

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