

1. Record Nr.	UNINA9910299771303321
Titolo	Excursions in Harmonic Analysis, Volume 3 : The February Fourier Talks at the Norbert Wiener Center // edited by Radu Balan, Matthew J. Begué, John J. Benedetto, Wojciech Czaja, Kasso A. Okoudjou
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Birkhäuser, , 2015
ISBN	3-319-13230-X
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (344 p.)
Collana	Applied and Numerical Harmonic Analysis, , 2296-5009
Disciplina	510 511.4 515.7 515.72 515785 519
Soggetti	Harmonic analysis Approximation theory Functional analysis Integral transforms Operational calculus Applied mathematics Engineering mathematics Abstract Harmonic Analysis Approximations and Expansions Functional Analysis Integral Transforms, Operational Calculus Mathematical and Computational Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The Algebra of Elimination -- Hodge-de Rahm Theory of K-Forms on Carpet Type Fractals -- Biosequence Time-frequency Processing: Pathogen Detection and Identification -- Wavelet-Shearlet Edge

Detection and Thresholding Methods in 3D -- Recursive Computation of Spherical Coefficients of Large Degree -- Analyzing Fluid Flows via the Ergodicity Defect -- the HRT Conjecture and the Zero Divisor Conjecture for the Heisenberg Group -- The abc-problem for Gabor Systems and Uniform Sampling in Shift-invariant spaces -- On Various Levels of Linear Independence for Integer Translates of a Finite Number of Functions -- Polyphase Golay Sequences with Semi-polyphase Fourier Transform and All-zero Crosscorrelation: Construction B -- Reversible Jump Particle Filter for Wideband DOA Tracking -- Advances in Radar Waveform Development -- Adventures in Compressive Sensing Based MIMO Radar.

---

Sommario/riassunto

This volume consists of contributions spanning a wide spectrum of harmonic analysis and its applications written by speakers at the February Fourier Talks from 2002 – 2013. Containing cutting-edge results by an impressive array of mathematicians, engineers, and scientists in academia, industry, and government, it will be an excellent reference for graduate students, researchers, and professionals in pure and applied mathematics, physics, and engineering. Topics covered include · spectral analysis and correlation; · radar and communications: design, theory, and applications; · sparsity · special topics in harmonic analysis. The February Fourier Talks are held annually at the Norbert Wiener Center for Harmonic Analysis and Applications. Located at the University of Maryland, College Park, the Norbert Wiener Center provides a state-of-the-art research venue for the broad emerging area of mathematical engineering.

---