

## Editorial board of the Journal of Fractal Geometry

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### Editors

Patricia Alonso Ruiz, Texas A&M University, College Station, USA  
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*Analysis and diffusion processes on fractals, Dirichlet forms, heat kernels and functional analysis in (non-smooth) metric measure spaces*

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*Topology and geometry of attractors and repellers of iterated function systems*

Jean Bellissard, Georgia Institute of Technology, Atlanta, USA  
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*Fractal properties of spectral measures in quantum dynamics, anomalous transport and fractal exponents, noncommutative geometry (spectral triples, quantum metric spaces), analysis and Markov processes on fractals, metric geometry*

Laurent E. Calvet, École des hautes études commerciales de Paris, France  
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*Economics, finance, and multifractal time series*

Marc-Olivier Coppens, University College London, UK  
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*Applications of fractals to chemical engineering, chemistry, and statistical physics*

Bertrand Duplantier, CEA/Saclay, Gif-sur-Yvette, France  
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*Fractals in statistical and theoretical physics, multifractal measures and scaling exponents, random fractals and SLE, self-avoiding random walks, Liouville and discrete quantum gravity*

Kenneth Falconer, University of St Andrews, Scotland, UK  
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*Self-similarity (broadly interpreted), iterated function systems, geometric measure theory and geometric properties of fractals, fractal and multifractal measures, fractal dimensions, random fractal constructions and fractal stochastic processes*

Jonathan M. Fraser, University of St Andrews, Scotland, UK  
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*Dimension theory (especially Hausdorff, box, packing, Assouad and Fourier dimensions), dynamically generated fractals (including attractors of iterated function systems), and geometric measure theory (including geometry of projections and distance sets)*

Anton Gorodetski, University of California, Irvine, USA

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*Smooth dynamical systems, hyperbolic and partially hyperbolic dynamics, dynamically defined fractals and their properties, spectral theory of quasicrystals*

Ben Hambly, University of Oxford, UK

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*Probability and stochastic processes, random fractals, analysis and diffusion on fractals*

Michael Hochman, Hebrew University of Jerusalem, Israel

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*Self-similar sets and measures, dimension and absolute continuity, projections and intersections; local theory of fractals, including tangent measures and scenery flow. Connections with additive combinatorics, ergodic theory, equidistribution*

Stéphane Jaffard, Université Paris-Est Créteil Val de Marne, France

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*Wavelets, harmonic analysis, Fourier series, self-similar functions, multifractal analysis, local regularity of functions and distributions, stochastic processes and fields, applications in signal processing*

Svetlana Jitomirskaya, University of California, Irvine, USA

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*Ergodic Schrödinger operators and quasiperiodic cocycles*

Davar Khoshnevisan, University of Utah, Salt Lake City, USA

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*Random fractals and stochastic analysis of fractals; random fields and fractals*

Jun Kigami, Kyoto University, Japan

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*Analysis on fractals*

Sarah Koch, University of Michigan, Ann Arbor, USA

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*Complex dynamics (in one or several variables), Teichmüller theory, complex analysis*

Peter Kuchment, Texas A&M University, College Station, USA

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*Quantum graphs, periodic media, photonic crystals*

Erez Lieberman Aiden, Baylor College of Medicine and Rice University, Houston, USA

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*Space-filling curves, Hausdorff dimension, power laws, scalefree networks, fractals in nature*

Russell Lyons, Indiana University, Bloomington, USA

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*Probability, graphs, harmonic analysis, geometric group theory*

Nikolai Makarov, Caltech, Pasadena, USA

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*Fractals in complex analysis*

Matilde Marcolli, Caltech, Pasadena, USA

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*Fractal geometry and its relations to mathematical physics, especially statistical mechanics, quantum theory, and noncommutative geometry, and relations to number theory and arithmetic geometry*

Volodymyr Nekrashevych, Texas A&M University, College Station, USA

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*Self-similarity (broadly interpreted), iterated functions systems; dynamical systems, including complex*

*dynamics and symbolic dynamics; operator algebras and noncommutative fractal geometry; self-similar groups and finite automata, quasicrystals, non-archimedean analysis*

Mark Pollicott, University of Warwick, Coventry, UK  
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*Ergodic theory, dynamical systems, thermodynamic formalism*

Pablo Shmerkin, Universidad Torcuato Di Tella, Buenos Aires, Argentina  
pshmerkin@utdt.edu  
*Geometric properties of (random and deterministic) fractals of dynamical, arithmetic and combinatorial origin. Combinatorial problems in fractal geometry (Kakeya-type sets, etc). Applications of fractal geometry in ergodic theory and analysis. Self-affine sets and thermodynamic formalism*

Alexander Teplyaev, University of Connecticut, Storrs, USA  
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*Probability theory and stochastic processes, Dirichlet forms, heat kernels, spectral theory, products of random matrices, self-similarity and stochastic self-similarity, mathematical physics on fractal and other non-smooth spaces*

Jeremy Tyson, University of Illinois at Urbana-Champaign, USA  
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*Analysis in metric measure spaces, geometric function theory, sub-Riemannian geometry, iterated function systems*

Mariusz Urbanski, University of North Texas, Denton, USA  
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*Complex dynamics; conformal dynamics, iterated function systems, particularly conformal and similarities*

Yang Wang, Hong Kong University of Science and Technology, Hong Kong  
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*Iterated function systems and anything related to tiling*

Martina Zähle, University of Jena, Germany  
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*Geometry and analysis on fractals, including curvature and geometric integration theory, (S)PDE in metric measure spaces, and their relationships to dynamical systems, potential theory and spectral analysis; stochastic analysis for fractal processes in Euclidean spaces, pathwise approaches via fractional calculus*