

Functional Data Analysis

A Workshop in Honor
of Alois Kneip

June 12–13, 2025

Lipschitz-Saal

Endenicher Allee 60, Bonn



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Functional Data Analysis—A Workshop in Honor of Alois Kneip

Having been putting the fun in FUNctional data analysis since (at least) 1988.

Description

On the occasion of Professor Alois Kneip's retirement and in honor of his academic career, this conference centers around the scientific contributions and interests of Alois Kneip—including nonparametric statistics, functional data analysis, and nonparametric frontier models. The workshop aims at bringing together statisticians with diverse backgrounds, providing a platform to exchange their ideas and foster new collaborations.

Organizing Committee

IFS

Dominik Liebl
Joachim Freyberger
Dennis Schroers
Almut Lunkenheimer

HCM

Andrea Ronnau

Timetable – June 12

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Thursday, June 12

8:15–8:45	Registration	
8:45–9:00	Welcome by the Vice Dean Prof. Dr. Sven Rady & Local Organizers	
9:00–9:40	Aurore Delaigle University of Melbourne	Analysis of Fragments of Functional Data
9:40–10:20	Sonja Greven Humboldt University of Berlin	Bayes Hilbert Space Additive Density-on-Scalar Regression Based on Individual Observations
10:20–10:50	Coffee Break	
10:50–11:30	Frédéric Ferraty Paul Sabatier University, Toulouse	Density-Valued Time Series: Nonparametric Density-on-Density Regression
11:30–12:10	Pascal Sarda University of Toulouse	Some Incursions Into High Dimensional and Functional Regression Analysis
12:10–13:40	Lunch Break	
13:40–14:20	Efthychia Solea Queen Mary University of London	Robust Inverse Regression from Multivariate Elliptical Functional Data
14:20–15:00	Fabian Telschow Humboldt University of Berlin	Expected Euler Characteristic Approximations in Functional Data
15:00–15:30	Coffee Break	
15:30–16:10	Hans-Georg Müller UC Davis	Conformal Inference for Random Objects
16:10–16:50	Wolfgang Karl Härdle Humboldt University of Berlin	Data Science in a Math-Less Digital Society
16:50–18:20	Reception	
19:00	Dinner at the Restaurant Nees (By Invitation)	

Coffee breaks and lunch will be provided in the conference building for all participants.

The reception will be held in the conference building and is open to all participants.

Last Update: June 10

Timetable – June 13

Functional Data Analysis—A Workshop in Honor of Alois Kneip

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Friday, June 13

8:55–9:00	Welcome	
9:00–9:40	Jane-Ling Wang UC Davis	Deep Neural Networks for Functional Data
9:40–10:20	Irène Gijbels KU Leuven	Scalar on Function Regression under Random Censoring
10:20–10:50	Coffee Break	
10:50–11:30	Léopold Simar UCLouvain	Inference in Static and Dynamic Nonparametric Models of Production for General Technologies
11:30–12:10	Valentin Patilea CREST Ensaï, Rennes	Optimal Inference for the Mean of Random Functions
12:10–13:40	Lunch Break	
13:40–14:20	Marie-Christine Düker Friedrich-Alexander University, Erlangen	Scaling Limits for Sample Autocovariance Operators of Hilbert Space-Valued Linear Processes
14:20–15:00	Sven Otto University of Cologne	Functional Factor Regression with an Application to Electricity Price Curve Modeling
15:00–15:40	James O. Ramsay McGill University, Montreal	What about Manifolds?
15:40–16:00	Closing & Coffee Break	
19:00	Dinner at the Restaurant Zum Böllchen (By Invitation)	

Coffee breaks and lunch will be provided in the conference building for all participants.

Last Update: June 10

List of Participants

Zaheer	Ahmed	TU Dortmund
Carolina	Alvarez	University of Bonn
Oualid	Bada	Telekom
Guillaume	Baquet	Université Libre de Bruxelles
Luke Alexander	Barratt	University of Cambridge
Patrick	Bastian	Ruhr University Bochum
Rupsa	Basu	University of Cologne
Egshiglen	Batbayar	University of Bonn
Daniel	Becker	AXA AG
Blerta	Begu	University College Dublin
Christoph	Breunig	University of Bonn
Hugo	Brunet	UCLouvain
Julian	Budde	University of Bonn
Robert	Cantwell	University of Cambridge
Thiago	Cardoso	University College Dublin
Michelle	Carey	University College Dublin
Michele	Cavazzutti	Polytechnic University of Milan
Anik	De	University of Bonn
Pierre	Dehez	UCLouvain
Nina	Dekoninck Bruhin	University of Cambridge
Aurore	Delaigle	University of Melbourne
Nihan Acar	Denizli	Polytechnic University of Catalonia
Gauthier	Dierickx	BaFin
Marie-Christine	Düker	University Erlangen-Nürnberg
Alexander	Effland	University of Bonn
Paul	Eilers	Erasmus University Medical Center
Chencheng	Fang	University of Bonn
Frédéric	Ferraty	Paul Sabatier University, Toulouse
Jorge	Ferrús Madera	University of Bonn
Joachim	Freyberger	University of Bonn
Irène	Gijbels	KU Leuven
Alfredo	Gimenez Zapiola	Polytechnic University of Milan
Tim	Greger	University of Bayreuth
Sonja	Greven	Humboldt University of Berlin
Wolfgang Karl	Härdle	Humboldt University of Berlin
Catherine	Higgins	University College Dublin
Werner	Hildenbrand	University of Bonn
Arlo	Hook	University of Technology Sydney
Björn	Höppner	University of Bonn
Lorens	Imhof	University of Bonn

Gero	Junike	University of Oldenburg
Julius	Kappenberg	University of Bonn
Omar	Kassi	CREST Ensai, Rennes
Göran	Kauermann	LMU Munich
Alois	Kneip	University of Bonn
Sebastian	Kühnert	Ruhr University Bochum
Dominik	Liebl	University of Bonn
Manuel	Lorenz	University of Kassel
Alexander	Luo	University College London
Gabriel	Martos Venturini	Torcuato di Tella University
Uche	Mbaka	University College Dublin
Tim	Mensing	University of Bonn
Vladislav	Morozov	University of Bonn
Hans-Georg	Müller	UC Davis
Claudia	Noack	University of Bonn
Mirkan	Öcal	University of Cologne
Sven	Otto	University of Cologne
Giulia	Patanè	Polytechnic University of Milan
Valentin	Patilea	CREST Ensai, Rennes
Andreas	Petersson	Linnaeus University
Dominik	Poß	BaFin
Sven	Rady	University of Bonn
James O.	Ramsay	McGill University, Montreal
Klaus	Sandmann	University of Bonn
Pascal	Sarda	University of Toulouse
Fabian	Scheipl	LMU Munich
Jan	Scherer	University of Bonn
Dennis	Schroers	University of Bonn
Leonie	Selk	University of Hamburg
Léopold	Simar	UCLouvain
Nebi	Simsek	University of Bonn
Łukasz	Smaga	Adam Mickiewicz University, Poznań
Eftychia	Solea	Queen Mary University of London
Almond	Stöcker	EPFL, Lausanne
Fabian	Telschow	Humboldt University of Berlin
Nico	Thurrow	University of Bonn
Germain	van Bever	Université Libre de Bruxelles
Heiko	Wagner	AXA AG
Fabian	Walders	Meryts
Jane-Ling	Wang	UC Davis
Zijian	Wang	University of Bonn
Jędrzej	Wydra	Adam Mickiewicz University
Pan	Zhao	University of Cambridge

Useful Information

Conference Venue:

Lipschitz-Saal (Room 1.016)
Center for Mathematics
Endenicher Allee 60
53115 Bonn.

The venue can be reached by:

- **Walking:** About 15-20 minutes walk from the central station (Hauptbahnhof) to the Center for Mathematics.
- **Bus:** Lines 604, 605, 606, 607 every 5 minutes from the central station (Hauptbahnhof) to the stop Kaufmannstraße. The bus stop is located in front of the main entrance of the Center for Mathematics. (See map below.)

Coffee breaks, lunches, and the reception will be provided free of charge to all participants in the conference building.

Wi-Fi will be available via eduroam (<https://cat.eduroam.org>).

Guest passes (for guests with no connection to eduroam) are provided upon request.

Conference dinner (By Invitation):

Restaurant Nees
Meckenheimer Allee 169
53115 Bonn

Closing dinner (By Invitation):

Weinwirtschaft Zum Böllchen
Rhöndorfer Straße 33
53604 Bad Honnef

Getting to Bad Honnef:

Take Tram Line 66 (direction “Bad Honnef”) from Bonn Hauptbahnhof (lower level) to Rhöndorf. The journey takes approximately 35 minutes.

Departure times: 18:03, 18:23, 18:43, 19:03, 19:43.



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