Functional Data Analysis
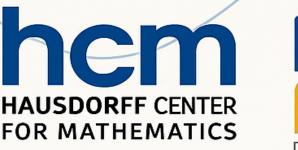
A Workshop in Honor of Alois Kneip

June 12–13, 2025

Lipschitz-Saal
Endenicher Allee 60, Bonn

UNIVERSITÄT
BONN

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HAUSDORFF CENTER
FOR MATHEMATICS

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Contents

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

Thursday, 12 of June

8:15–8:50	**Registration**
8:50–9:00	**Welcome**
9:00–9:40	**Aurore Delaigle** University of Melbourne Title of the Talk: TBA
9:40–10:20	**Sonja Greven** Humboldt University of Berlin Title of the Talk: TBA
10:20–10:50	**Coffee**
10:50–11:30	**Frederic Ferraty** Paul Sabatier University, Toulouse Density-valued time series: Nonparametric density-on-density regression
11:30–12:10	**Pascal Sarda** Paul Sabatier University, Toulouse Title of the Talk: TBA
12:10–13:40	**Lunch**
13:40–14:20	**Eftychia 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**
15:30-16:10	**Hans-Georg Müller** University of California, Davis Dynamic Modeling of Sparse Longitudinal Data and Functional Snippets With Stochastic Differential Equations
16:10-16:50	**Wolfgang Karl Härdle** Humboldt University of Berlin Data Science in a Math-Less Digital Society
16:50–18:20	**Reception**
18:30	**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.

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Friday, 13 of June

8:55–9:00	**Welcome**	
9:00–9:40	**Jane-Ling Wang** University of California, Davis	Deep Neural Networks for Functional Data
9:40–10:20	**Irène Gijbels** KU Leuven	Title of the Talk: TBA
10:20–10:50	**Coffee**	
10:50–11:30	**Léopold Simar** UCLouvain	Title of the Talk: TBA
11:30–12:10	**Valentin Patilea** ENSAI, Rennes	Title of the Talk: TBA
12:10–13:40	**Lunch**	
13:40–14:20	**Marie-Christine Düker** Friedrich-Alexander University, Erlangen	Title of the Talk: TBA
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 Ramsay** McGill University, Montreal	Title of the Talk: TBA
15:40–16:00	**Closing**	
19:00	**Dinner at the Restaurant Zum Böllchen (By Invitation)**	

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

List of Participants

Zaheer	Ahmed	TU Dortmund
Maryam	Alawi	Sultan Qaboos University
Carolina	Alvarez	University of Bonn
Antonia	Antweiler	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
Daniel	Becker	AXA AG
Blerta	Begu	University College Dublin
Christoph	Breunig	University of Bonn
Hugo	Brunet	UCLouvain
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
Nihan Acar	Denizli	Polytechnic University of Catalonia
Holger	Dette	Ruhr University Bochum
Gauthier	Dierickx	BaFin
Alexander	Effland	University of Bonn
Paul	Eilers	Erasmus University Medical Center
Chencheng	Fang	University of Bonn
Jorge	Ferrús Madera	University of Bonn
Joachim	Freyberger	University of Bonn
Alfredo	Gimenez Zapiola	Polytechnic University of Milan
Felix	Gnettner	Colorado State Univeristy
Tomasz	Górecki	Adam Mickiewicz University
Tim	Greger	University of Bayreuth
Catherine	Higgins	University College Dublin
Werner	Hildenbrand	University of Bonn
Arlo	Hook	University of Technology Sydney
Björn	Höppner	University of Bonn

Gero	Junike	University of Oldenburg
Julius	Kappenberg	University of Bonn
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
Vladislav	Morozov	University of Bonn
Claudia	Noack	University of Bonn
Mirkan	Öcal	University of Cologne
Giulia	Patanè	Polytechnic University of Milan
Andreas	Petersson	Linnaeus University
Alessia	Pini	Università Cattolica del Sacro Cuore
Dominik	Poß	BaFin
Sven	Rady	University of Bonn
Klaus	Sandmann	University of Bonn
Fabian	Scheipl	LMU Munich
Jan	Scherer	University of Bonn
Dennis	Schroers	University of Bonn
Leonie	Selk	University of Hamburg
Nebi	Simsek	University of Bonn
Łukasz	Smaga	Adam Mickiewicz University, Poznań
Almond	Stöcker	EPFL, Lausanne
Nico	Thurow	University of Bonn
Germain	van Bever	Université Libre de Bruxelles
Heiko	Wagner	AXA AG
Fabian	Walders	Meryts
Zijian	Wang	University of Bonn
John	Warmenhoven	University of Technology Sydney
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 form 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.
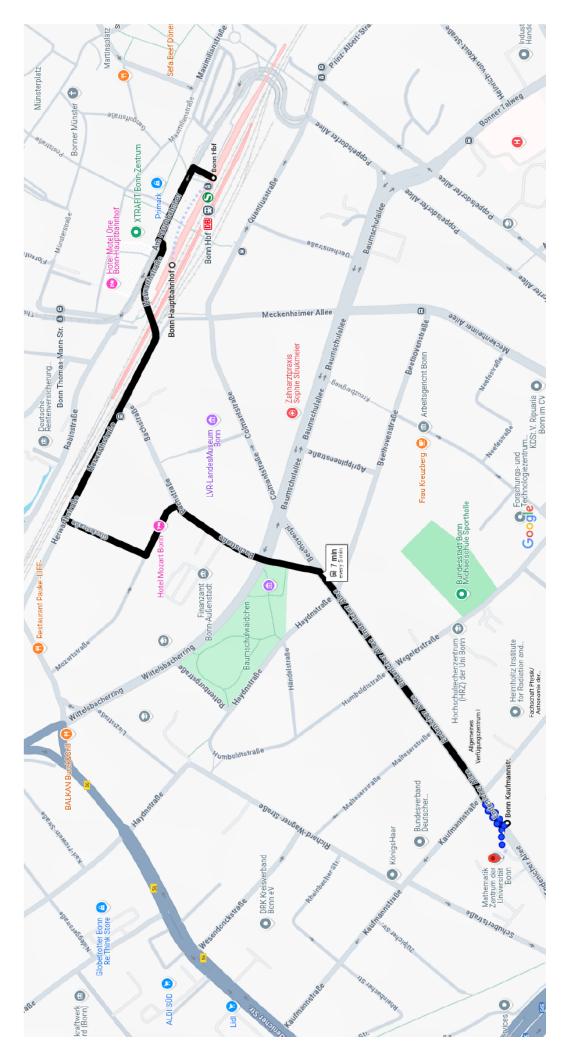
Wi-Fi will be available via eduroam (https://cat.eduroam.org).
Guest passes (for guests with no connection to eduroam) are provided upon request.

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.

Funding