Conference Agenda

3rd Vienna Workshop on Economic Forecasting

Thursday, June 5, 2025

Time	
8:30am - 9:00am	**Registration**

9:00am - 10:00am

P1
Location: **Lecture Room E02**
Chair: **Martin Wagner**, University of Klagenfurt and Institute for Advanced Studies Vienna, Austria

A Long-Term Perspective on Short-Term Real Interest Rates and Term Spreads

Barbara Rossi

European University Institute, Italy and Pompeu Fabra University, Spain

10:00am - 10:30am

Coffee Break

10:30am - 12:00pm

PS-1A	PS-1B
Location: **Lecture Room E02**	Location: **Lecture Room SR 101**
### Simple Macroeconomic Forecast Distributions for the G7 Economies	### Predicting Energy Demand with Tensor Factor Models
Friederike Sarah Becker, Fabian Krüger, Melanie Schienle Karlsruhe Institute of Technology, Germany	**Mattia Banin[2], Matteo Barigozzi[1], Luca Trapin[1]** [1] University of Bologna, Italy; [2] European Central Bank, Germany.
### Metal Price Uncertainty and Macroeconomic Dynamics	### A Rotated Dynamic Factor Model for the Yield Curve: Squeezing Out Information When It Matters
Ines Fortin, Jarka Hlouskova Institute for Advanced Studies Vienna, Austria	**Chiara Casoli[1]**, Riccardo {Jack} Lucchetti[2] [1] University of Insubria and Fondazione Eni Enrico Mattei, Italy; [2] Marche Polytechnic University, Italy
### Real GDP Forecasts by International Organisations	
Martin John McCarthy[1], Umberto Collodel[2], **Prakash Loungani[3]** [1] Reserve Bank of Australia, Australia; [2] Central Bank of Malta, Malta; [3] Johns Hopkins University, USA	### A Sparse Bayesian DFM to Nowcast Swiss GDP **Simon Beyeler** Swiss National Bank, Switzerland

12:00pm - 1:30pm

Lunch Break

1:30pm - 3:00pm	**PS-2A** Location: **Lecture Room E02**	**PS-2B** Location: **SR 101**

Forecasting Inflation in the US and in the Euro Area

Joan Paredes, Michele Lenza, Marta Banbura
European Central Bank, Germany

The Building Blocks of Inflation: The Role of Monetary Policy and the Gap Between Goods and Services

Sacha Gelfer
Bentley University, USA

Inflation Target at Risk: A Time-Varying Parameter Distributional Regression

Yunyun Wang[1], Tatsushi Oka[2], Dan Zhu[3]
[1] Hunan University, China; [2] Keio University, Japan; [3] Monash University, Australia

Credit Strikes Back: The Macro-economic Impact of the 2022–23 ECB Monetary Tightening and the Role of Lending Rates

Antonio Conti, Stefano Neri, Alessandro Notarpietro
Banca d'Italia, Italy

Forecasting the Tail Behavior of Banks' Risk Sentiment

Paulo M. M. Rodrigues[1,2], João Nicolau[3], Adriana Cornea-Madeira[3], Martin Saldías[1]
[1] Banco de Portugal, Portugal; [2] Nova School of Business and Economics, Portugal; [3] ISEG, Universidade de Lisboa, Portugal

A Quantile Nelson-Siegel Model

Matteo Iacopini[1], Aubrey Poon[2], Luca Rossini[3], Dan Zhu[4]
[1] Luiss University, Italy; [2] University of Kent, United Kingdom; [3] University of Milan, Italy; [4] Monash University, Australia

3:00pm - 3:45pm	**Poster 1**

Non-Traditional Data for Macroeconomic Forecasting: Roles of Timeliness, Granularity, and Frequency

Rachel Arulraj-Cordonier[1,2], Ajit Desai[1], Emanuel Nussli[1]
[1] BIS Innovation Hub Centre, Switzerland; [2] Swiss National Bank, Switzerland

Estimating Post-Pandemic US Inflation Developments: A Bayesian Auto-Regressive Approach

Ramon Gomez-Salvador, Piero Lorenzini
European Central Bank, Germany

Sparse Dynamic Bayesian Graphical Models

Luis Gruber[1], Matteo Iacopini[2], Gregor Kastner[1]
[1] University of Klagenfurt, Austria; [2] Luiss University, Italy

Inflation Forecasting Post COVID-19: Evidence from Germany

Tiphaine Claudette Saskia Wibault
ifo Institute, Germany

From Searches to Signal: Tackling Inconsistencies in Google Trends Data

Nicolas de Roux

QuantCube Technology – Economix, France

A Machine Learning Approach to Real Time Identification of Turning Points in Monetary Aggregates M1 and M3

Max Lampe, Ramon Adalid

European Central Bank, Germany

Forecasting Energy-Related CO_2 Emissions by Bayesian Optimization

Antonio Candelieri[1], Mauro Costantini[2], Paolo Maranzano[1], Elena Signori[1]

[1] University of Milano-Bicocca, Italy; [2] Sapienza University of Rome, Italy

Real-Time Reliable Output Gap Estimates Based on a Forecast Augmented Hodrick-Prescott Filter

Giacomo Porcellotti

University of Turin, Collegio Carlo Alberto, Italy

Market Timing Under Moment Conditions

Norbert Fay[1], Marco Kerkemeier[2], Rainer Alexander Schüssler[3]

[1] FernUniversität Hagen, Germany; [2] HDI Group, Germany; [3] University of Rostock, Germany

Enhancing GDP Nowcasting with ChatGP: A Novel Application of PMI News Releases

Yiqiao Sun, Gabe de Bondt

European Central Bank, Germany

Forecasting Stock Returns: The Role of Cross-Asset Predictors

Cindy S.H. Wang

Peking University, HSBC Business School, China

How Far Can We Forecast the Economy?

Marc-Oliver Pohle[1], Tanja Zahn[2]

[1] Heidelberg Institute for Theoretical Studies, Germany; [2] Goethe University Frankfurt, Germany

Probabilistic Forecasting at Scale with NumPyro

Juan Camilo Orduz

PyMC Labs, Germany

3:45pm - 5:15pm	**PS-3A** Location: **Lecture Room E02**	**PS-3B** Location: **SR 101**

PS-3A — Location: **Lecture Room E02**

Forecasting Inflation with the Hedged Random Forest

Elliot Beck, <u>Michael Wolf</u>

University of Zurich, Switzerland

Forecasting Seasonal Time Series with Random Forests

<u>Karsten Reichold</u>

TU Wien, Austria

Harnessing the Wisdom of Crowds to Predict Recessions in OECD Countries: Doombot vs Random Forests

<u>David Turner</u>, Thomas Chalaux, Steven Cassimon

OECD, France

PS-3B — Location: **SR 101**

The Experience Formation Mechanism

Christian Conrad[1], Zeno Enders[1], <u>Alexander Glas</u>[2]

[1] Universität Heidelberg, Germany; [2] ZEW – Leibniz-Zentrum für Europäische Wirtschaftsforschung, Germany

Exchange Rate Predictability and Financial Conditions

<u>Sebastian Fossati</u>, Xiao Lu

University of Alberta, Canada

World GDP, Anthropogenic Carbon Emissions, and Global Temperatures

<u>Luca Benati</u>

University of Bern, Switzerland

5:30pm - 6:30pm	**P2** Location: **Lecture Room E02** Chair: **Manfred Deistler**, TU Wien, Austria

Forecasting Related Time Series

<u>Mark W. Watson</u>

Princeton University, USA

7:00pm - 9:00pm	**Reception** Location: **Wiener Rathauskeller** 1010, Rathausplatz 1

Friday, June 6, 2025

9:00am - 10:00am

P3
Location: **Lecture Room E02**
Chair: **Robert Kunst**, Institute for Advanced Studies Vienna, Austria

Improving Forecasts via Subspace Projections

Rob J. Hyndman
Monash University, Austria

10:00am - 10:30am

Coffee Break

10:30am - 12:00pm

PS-4A
Location: **Lecture Room E02**

An Observation-Driven Mixed-Frequency VAR Model with Closed-Form Solution

Maurizio Daniele[1], Heiner Mikosch[1], Stefan Neuwirth[2]
[1] ETH Zürich, Switzerland; [2] Swiss State Secretariat for Economic Affairs SECO, Switzerland

Spatial Autoregressive Models and Identification

Robert de Jong
Ohio State University, USA

Integrated Modified OLS Estimation and Fixed-b Inference for Cointegrating Multivariate Polynomial Regressions

Timothy Vogelsang[1], Martin Wagner[2]
[1] Michigan State University, USA; [2] University of Klagenfurt and Institute for Advanced Studies Vienna, Austria

PS-4B
Location: **SR 101**

Comparing Predictive Ability in Presence of Instability over a Very Short Time

Fabrizio Iacone[1,2], Luca Rossini[1,3], Andrea Viselli[1]
[1] University of Milan, Italy; [2] University of York, United Kingdom; [3] Fondazione Eni Enrico Mattei, Italy

Forecasting Univariate Count Time Series

Ovielt Baltodano[1], Mauro Costantini[2], Matteo Iacopini[3], Carlo R.M.A. Santagiustina[4]
[1] Ca' Foscari University of Venice, Italy; [2] Sapienza University of Rome, Italy; [3] Luiss University, Italy; [4] Sciences Po, France

Getting Back on Track: Forecasting After Extreme Observations

Pål Boug[1], Håvard Hungnes[1], Takamitsu Kurita[2]
[1] Statistics Norway, Norway; [2] Kyoto Sangyo University, Japan

12:00pm - 1:30pm

Lunch Break

1:30pm - 3:00pm

PS-5A
Location: **Lecture Room E02**

Disentangling Local and Aggregate Income Effects on Consumption: Evidence from U.S. States

Domenico Giannone[1], Michele Lenza[2], Shanshan Li[3], Boyuan Zhang[3]
[1] International Monetary Fund, USA; [2] European Central Bank, Germany; [3] Amazon, USA

Inference on Treatment Effects and Difference-in-Differences in Cointegration Analysis

Werner Ploberger[1], Martin Wagner[2]
[1] Washington University in St. Louis, USA; [2] University of Klagenfurt and Institute for Advanced Studies Vienna, Austria

On the Use of Mean Square Error and Directional Forecast Accuracy for Model Selection: A Simulation Study

Mauro Costantini[1], Robert Kunst[2]
[1] Sapienza University of Rome, Italy; [2] Institute for Advanced Studies Vienna, Austria

PS-5B
Location: **SR 101**

Factor-Augmented VARs with Noisy Factor Proxies

Emanuel Moench, Soroosh Soofi Siavash
Bank of Lithuania, Lithuania

Forecasts of Period-Average Exchange Rates: New Insights from Real-Time Daily Data

Martin McCarthy[1], Stephen Snudden[2]
[1] Reserve Bank of Australia, Australia; [2] Wilfrid Laurier University, Canada

Generalized Mincer-Zarnowitz Regressions

Patrick Schmidt
University of Basel, Switzerland

3:00pm - 3:45pm

Poster 2

A Distributed Lag Approach to the Generalised Dynamic Factor Model (GDFM)

Philipp Gersing
University of Vienna, Austria

Forecasting Regional Economic Activity

Boris Blagov[1], Clara Krause[1,2]
[1] RWI - Leibniz Institute for Economic Research, Germany; [2] Ruhr University Bochum, Germany

Multi-Task Learning for Macroeconomic Nowcasting

Jonas Dovern[1,2], Johannes Frank[1]
[1] Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany; [2] CESifo, Germany

On the Influence of the Choice of Seasonal Adjustment Method on Forecasting National Accounts Aggregates Across the EU

Martin Ertl, **Robert M. Kunst**, **Adrian Wende**
Institute for Advanced Studies Vienna, Austria

Seasonal Adjustment of High-Frequency Data: Addressing Holiday Distortions for Improved Nowcasting

Sebastian P. Koch, **Yannic Prohaska**
Institute for Advanced Studies Vienna, Austria

Macroeconomic Survey Forecasting in Times of Crises

Philip Letixerant, **Robinson Kruse-Becher**
FernUniversität Hagen, Germany

Uncertainty Quantification in Forecast Comparisons

Marc-Oliver Pohle[1], **Tanja Zahn**[2], **Sebastian Lerch**[3,1]
[1] Heidelberg Institute for Theoretical Studies, Germany; [2] Goethe University Frankfurt, Germany; [3] Karlsruhe Institute of Technology, Germany

Identifying Useful Indicators for Nowcasting GDP in Sweden

Sune Karlsson, Stepan Mazur, Mariya Raftab
Örebro University, Sweden

Integrating Wavelet Decomposition, Fundamental Economic Models, and Machine Learning Methods for Exchange Rate Forecasting

Ruoxi Sun
King's Business School, King's College London, United Kingdom

Supervised Detrending

Philippe Goulet Coulombe[1], **Josefine Quast**[2], **Anne Valder**[3]
[1] Université du Québec à Montréal, Canada; [2] International Monetary Fund, USA; [3] Vienna University of Economics and Business, Austria

Smooth and Persistent Forecasts of German GDP

Marc Wildi[1], **Katja Heinisch**[2], **Simon Van Norden**[3]
[1] ZHAW Zürich, Switzerland; [2] Halle Institute for Economic Research, Germany; [3] HEC Montréal, Canada

Joint Estimation of Smoothing and Model Parameters in Hybrid GAM-DNN Frameworks

Monika Zimmermann, Florian Ziel
Universität Duisburg-Essen, Germany

3:45pm - 5:15pm

PS-6A
Location: **Lecture Room E02**

Simultaneous Inference Bands for Autocorrelations

Uwe Hassler, Marc-Oliver Pohle, Tanja Zahn
Goethe University Frankfurt, Germany

Assessing Loss Preferences on the Basis of Noisy Forecast Errors

Matei Demetrescu[1], Christoph Hanck[2], Hajo Holzmann[3]
[1] TU Dortmund, Germany; [2] Universität Duisburg-Essen, Germany; [3] Philipps-Universität Marburg, Germany

A State Space Approach to Time-Varying Cointegration in Vector Error Correction Models: Identifying Instabilities in Long-Run Money Demand

Sebastian Veldhuis[1], Martin Wagner[1,2]
[1] University of Klagenfurt, Austria; [2] Institute for Advanced Studies Vienna, Austria

PS-6B
Location: **SR 101**

Dual Interpretation of Machine Learning Forecasts

Philippe Goulet Coulombe[1], Maximilian Göbel[2], Karin Klieber[3]
[1] Université du Québec à Montréal, Canada; [2] Brain, Italy; [3] European Central Bank, Germany

Predicting Re-Employment: Machine Learning Versus Assessments by Unemployed Workers and by Their Caseworkers

Max Kunaschk, Gerard van den Berg, Geseine Stephan, Julia Lang, Arne Uhlendorff
IAB, Germany

### Advancing Forecast Accuracy Analysis: A Partial Linear Instrumental Variable and Double Machine Learning Approach

Heinisch Katja[1], Scaramella Fabio[2], Christoph Schult[1]
[1] Halle Institute for Economic Research, Germany; [2] University of Bologna, Italy

5:30pm - 6:30pm

P4
Location: **Lecture Room E02**
Chair: **Leopold Sögner**, Institute for Advanced Studies Vienna, Austria

AI for Economic Analysis in Central Banks

Michele Lenza
European Central Bank, Germany

7:00pm - 9:00pm

Dinner
Location: **Glacis Beisl**
1070, Breite Gasse 4

Presentations, Posters, and Wi-Fi

- **Presentations:**
  - Plenary sessions: 50 minutes + 10 minutes for discussion.
  - Parallel sessions 20 minutes + 10 minutes for discussion.
  - Presentations should be uploaded shortly before the corresponding session starts (no a-priori upload necessary).

- **Session Chairs:**
  - For all parallel sessions "the last presenter of the corresponding session is also the session chair" applies.

- **Poster Sessions:**
  - The poster format should be A1.

- **Wi-Fi Access:**
  - eduroam available.

Floor Plan
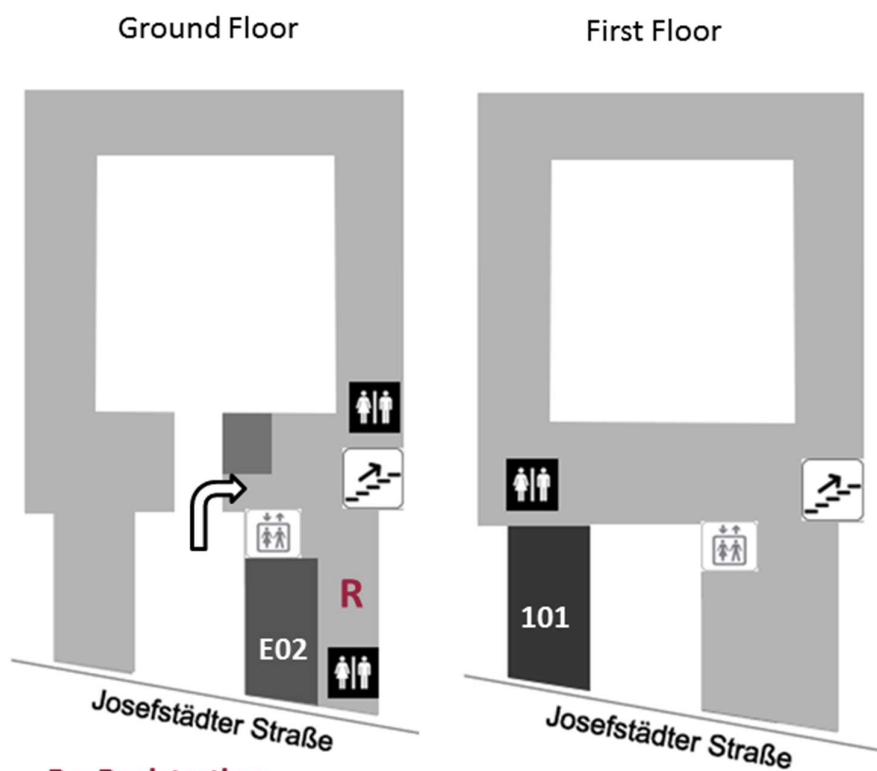
R = Registration
E02 – Lecture Hall E02 – ground floor
101 – Seminar Room 101 – 1st floor

Social Program

The conference reception and the conference dinner are reserved for registered conference participants as well as registered accompanying persons who have paid the registration fee. Vouchers for the reception and the dinner will be handed out at the conference registration desk.

Thursday, June 5, 2025, 7:00pm
Conference Reception at the Vienna City Hall in the "Wiener Rathauskeller", 1010 Vienna, Rathausplatz 1

15 minutes walking distance – *Meeting point for the joint walk to the Vienna City Hall is at the main entrance of the conference venue after the last plenary lecture.*
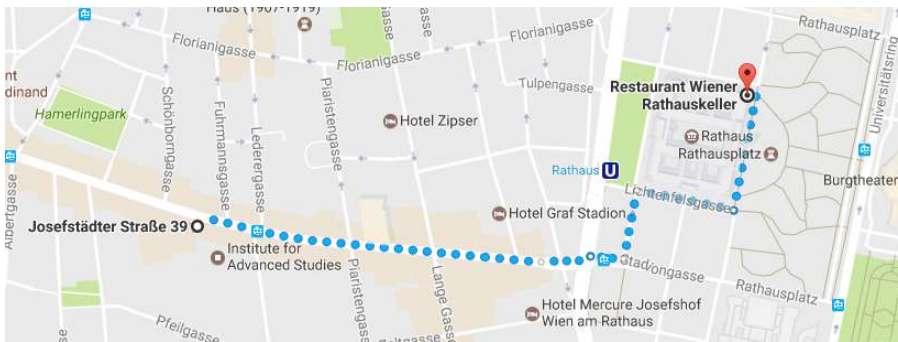
Friday, June 6, 2025, 7:00pm
Conference Dinner at "Glacis Beisl", 1070 Vienna, Breite Gasse 4

15 minutes walking distance – *Meeting point for the joint walk to the restaurant is at the main entrance of the conference venue after the last plenary lecture.*
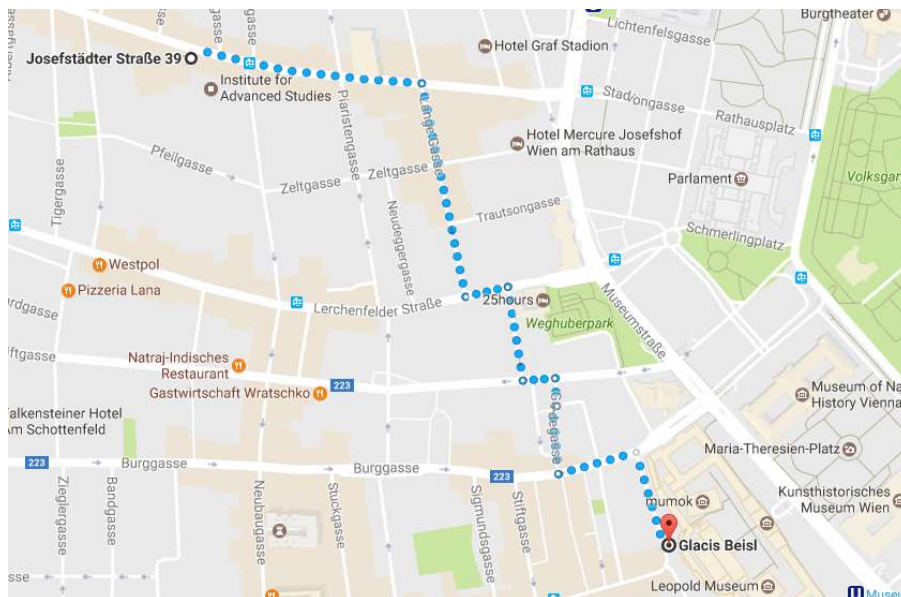
Lunch Options

For the lunch breaks we suggest snack bars, restaurants or grocery stores on Josefstädter Strasse, for example:

- Hitomi (sushi, wok, noodles), Josefstädter Strasse 53
- Pizzeria Ruffino (Italian), Josefstädter Strasse 48
- Restaurant Fromme Helene (Viennese cooking), Josefstädter Strasse 15
- Grocery stores SPAR, Josefstädter Strasse 13, 43 and 64