First Chapel Hill–Copenhagen Conference on Macroeconomics and Deep Learning

DLMacro '26

September 3–4, 2026 · University of North Carolina at Chapel Hill

Organizers: Marlon Azinovic-Yang (UNC Chapel Hill), Jeppe Druedahl (University of Copenhagen), William Jungerman (UNC Chapel Hill), and Stanislav Rabinovich (UNC Chapel Hill)

Keynote speaker: Lars Peter Hansen (University of Chicago)

All times Eastern. The presenting author is shown in bold.

Day One — Thursday, September 3, 2026 — Hyde Hall

08:45–09:00	*Welcome Remarks — Organizers*
09:00–09:45	**Institutional Asset Pricing with Segmentation and Household Heterogeneity** Goutham Gopalakrishna (University of Toronto), Zhouzhou Gu (Princeton University), **Jonathan Payne** (Princeton University)
09:50–10:35	**The Blessings of Overparameterization: Applications in Solving Economic Models** **Mahdi Ebrahimi Kahou** (Bowdoin College), Jesús Fernández-Villaverde (University of Pennsylvania)
10:35–11:05	*Coffee Break*
11:05–11:30	**Counterfactual Learning in Dynamic Heterogeneous-Agent Economies** Noah Williams (University of Miami), **Ivy X. Yang** (Southern Illinois University Edwardsville)
11:35–12:00	**Macroeconomic Effects of Production Networks: A Deep Learning Approach** Jesús Fernández-Villaverde (University of Pennsylvania), Christian Matthes (University of Notre Dame), **Hikaru Saijo** (UC Santa Cruz), Felipe Schwartzman (Federal Reserve Bank of Richmond)
12:05–12:30	**Deep Learning Solutions of Large Non-Convex Life-Cycle Models** Jeppe Druedahl (University of Copenhagen), **Jacob Røpke** (University of Copenhagen), Raphaël Huleux (University of Copenhagen)
12:30–14:00	*Lunch*
14:00–14:45	**Deep Learning in the Sequence Space** Marlon Azinovic-Yang (UNC Chapel Hill), **Jan Žemlička** (University of Zurich)
14:50–15:35	**Fiscal Policy in a Globally Solved HANK Model** Jeppe Druedahl (University of Copenhagen), **Raphaël Huleux** (University of Copenhagen), Jacob Røpke (University of Copenhagen)
15:35–16:00	*Coffee Break*
16:00–17:00	**Keynote: A Computational Framework for Robust Policy Design and Aggregate Uncertainty** **Lars Peter Hansen** (University of Chicago)
18:30–21:00	*Dinner (by invitation)*

Day Two — Friday, September 4, 2026 — Toy Lounge, Dey Hall (4th floor)

08:55–09:00	*Welcome Remarks — Organizers*
09:00–09:45	**Learning on the Job** **Jacob Adenbaum** (CUNEF Universidad), Fil Babalievsky (U.S. Census Bureau), William Jungerman (UNC Chapel Hill)
09:50–10:35	**Generative Economic Modeling** **Hanno Kase** (European Central Bank), Matthias Rottner (Bank for International Settlements), Fabio Stohler (University of Bonn)
10:35–11:05	*Coffee Break*
11:05–11:30	**Continuation Value Is All You Need: A Deep Learning Method for Solving Heterogeneous-Agent Models with Aggregate Uncertainty** **Jeffrey E. Sun** (University of Toronto)
11:35–12:00	**Generalized Method of Moderation for Consumption under Uncertainty** **Alan Lujan** (Johns Hopkins University), Christopher D. Carroll (Johns Hopkins University)
12:05–12:30	**Mastering Stochastic OLG Models in Continuous Time** Yves Achdou (Université Paris Cité), Johannes Brumm (Karlsruhe Institute of Technology), **Lukas Frank** (Karlsruhe Institute of Technology)
12:30–14:00	*Lunch*
14:00–14:45	**Bounded Rationality as Limited Optimization: Stochastic Gradient Descent Agents in Macroeconomic Models** **Pablo Guerrón-Quintana** (Boston College)
14:50–15:35	**Structural Reinforcement Learning for Heterogeneous Agent Macroeconomics** **Yucheng Yang** (University of Zurich), Chiyuan Wang (Peking University), Andreas Schaab (UC Berkeley), Benjamin Moll (London School of Economics)
15:35–16:05	*Coffee Break*
16:05–16:50	**Implicit Bias and the Best-Response Gradient in Deep Learning Solutions of Time-Inconsistent Models** Mahdi Ebrahimi Kahou (Bowdoin College), **Lilia Maliar** (The Graduate Center, CUNY)
16:50–17:00	*Closing Remarks — Organizers*