AI-POWERED LEARNING

SEMINAR ANNOUNCEMENT

Learning Economic Models with AI

From Textbooks to Real-Time Policy Experiments

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with

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Douglas Laxton spent much of his career in the IMF's Research Department, where he led the Economic Modeling Division and played a central role in developing and applying the IMF's global macroeconomic models for policy analysis and international surveillance.

Since retiring from the IMF, he has founded *The Better Policy Project* and is preparing to launch *AI-Powered-Learning.org*, an initiative designed to democratize economic education and improve economic and financial literacy by combining modern economic models with artificial intelligence.

In this seminar, Douglas Laxton and Salome Mkervalidze will demonstrate a new approach to learning economics. Traditionally, economists first study models in textbooks and later try to determine how those models apply when important events occur in the real world. **AI-powered learning reverses that process:** students can begin with a current economic question, interact directly with a model, run experiments, and use AI to understand the economics behind the results.

The demonstration will examine a timely example: the increase in actual and planned government and defense expenditures in Germany and elsewhere in the euro area. Using the **Global Integrated Monetary and Fiscal Model (GIMF)**, the speakers will show how economists can analyze the effects on GDP, consumption, investment, inflation, interest rates, exchange rates, fiscal balances, and international spillovers.

The objective is not simply to present model results. It is to demonstrate a fundamentally different way of learning economic models—where students and economists can ask questions in ordinary language, design their own policy experiments, examine the results, and deepen their understanding through an interactive dialogue with AI.

The demonstration will show how increasingly sophisticated economic analysis can be carried out through something as simple as a conversation with an AI assistant on a smartphone.