

You are cordially invited to attend the Science Tuesday on **4 October, 2022** at **1 pm** when **Anita Harmina** will hold a lecture on

***The technological transformation of economies:
measurement framework overview and a new agenda***

The paper is joint work with Miroslav Verbič, Anže Burger and Zoran Aralica.
Working language of the presentation is English.

Please join the presentation using the following Zoom link
<https://us06web.zoom.us/j/84323168640>

Abstract:

Technological transformation means technology-driven structural socio-economic change, which includes various aspects of economic activities as a result of technology creation and use. In the measurement of technological transformation itself, the question of which dimensions should be included in the analysis of technological transformation is rarely present in literature (Capello, Lenzi, 2022). For this reason, it is important to define which types of technologies are analysed, in which way these technologies appear in a national economy invention and/or adoption, which types of infrastructure and human capital are required for technological transformation, how these technologies diffuse within economy/society, and in which way socio-economic structures impact these technological processes. The first objective of the research is to untangle the intricate links among different theoretical, conceptual, and methodological approaches to the measurement of technological transformation, whereas the second objective is to propose a new conceptual framework for the measurement of technological transformation in the context of Industry 4.0 at the country level.

About the speaker:

Anita Harmina is a research assistant at the Institute of Economics, Zagreb. She holds a specialist postgraduate university degree in Economics (Statistical methods for economic analyses and forecasting) from the Faculty of Economics and Business, University of Zagreb, and a graduate university degree in Mathematics (Financial and Business Mathematics) from the Department of Mathematics, Faculty of Science, University of Zagreb. She is currently a PhD student at the Interdisciplinary Doctoral Programme in Statistics (Module Economic and Official Statistics) at the University of Ljubljana. Her research interests include digital transformation and economic development, entrepreneurial economics and applied econometrics.