



CNR-IAC  
Istituto  
per le Applicazioni  
del Calcolo

## Seminari Generali IAC 2025

### AVVISO DI SEMINARIO

<b>Luogo</b>	<b>Area di Ricerca Napoli1 Via Pietro Castellino, 111, Napoli Aula Conferenze «Vaccaro»</b>
<b>Data e ora</b>	<b>Martedì 4 marzo 2025 ore 14.30</b>
<b>Speaker</b>	<b>Irène Gijbels - Department of Mathematics, University of Leuven, Belgium</b>
<b>Titolo</b>	<b>Measures of asymmetry for multivariate distributions</b>
<b>Abstract</b>	<p>In univariate settings the notion of measuring skewness of a distribution is well established. Extending this to measuring skewness (or asymmetry) in a multivariate setting is less obvious. In this talk we start by briefly reviewing some notions of asymmetry measures. We next propose a novel functional asymmetry measure (index) which is based on the natural idea of reflective symmetry around the mode. The proposed index is extended to the multivariate setting and a summarizing scalar (or vector based index in multivariate settings) is derived from it. Some illustrative examples are provided, and estimation of the proposed asymmetry index is discussed in parametric and nonparametric (multivariate) settings.</p>
<b>Streaming</b>	<b><a href="https://www.youtube.com/watch?v=eEPimm1_aww">https://www.youtube.com/watch?v=eEPimm1_aww</a></b>
<b>Link</b>	<b><a href="https://www.iac.cnr.it/seminari-general-iac-2024">https://www.iac.cnr.it/seminari-general-iac-2024</a></b>
<b>Comitato organizzatore</b>	<b>Nicola Apollonio, Roberta Bianchini, Claudia Capone, Giuliana Ramella</b>

