



UNIVERSITÀ DEL PIEMONTE ORIENTALE

ACADEMIC WEBINAR



RisPA

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Towards a new description of the inner space of amorphous porous carbons



DATE

Thursday,
8 October 2026



FORMAT

Online webinar



TIME

13:30 CEST



SCIENTIFIC SPEAKER

Prof. Maurizio Cossi

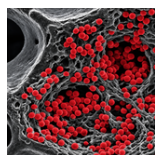
Full Professor of Physical Chemistry at UPO, expert in theoretical chemistry and nanoporous materials. Developer of PoLA (Porosity Local Analysis), an innovative method for local porosity characterization.



CHAIRMAN

Prof. Leonardo Marchese

Full Professor of Physical Chemistry at UPO and Scientific Director of the RisPA Center. Expert in porous materials, adsorption and advanced spectroscopic characterization.



Amorphous porous carbons present complex and hierarchical pore architectures that remain challenging to quantify and model. This talk introduces a new conceptual and mathematical framework to describe their inner space, overcoming current limitations and enabling more accurate characterization and prediction of transport and adsorption phenomena.

TOPICS

- Limitations of current pore space descriptors
- A new geometrical statistical description of porous inner space
- Application to amorphous porous carbons
- Implications for transport, adsorption and materials design



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