

Claudia Draxl

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Biography

Claudia Draxl is Einstein Professor at the Humboldt-Universität zu Berlin. Her research interests cover theoretical concepts and methodology to gain insight into a variety of materials and their properties. She is developer of the all-electron full-potential package exciting, implementing density-functional theory (DFT) and methods beyond, with a focus on theoretical spectroscopy. A recently developed package is the cluster-expansion code CELL. Actual research projects concern organic/inorganic hybrid structures, wide-gap oxides, thermoelectricity, solar-cell materials, film growth, excitation dynamics, and more.

She is the spokesperson of the NFDI consortium [FAIRmat](#), which is developing NOMAD, open-access library and a research data management service for collecting, organizing, sharing, analyzing, and publishing FAIR materials science data (Novel Materials Discovery, <https://nomad-lab.eu>). Based on this, her data-driven research aims at finding structure in Big Data of materials science.



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