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Titolo	Characterization of Minerals, Metals, and Materials 2025 : In-Situ Characterization Techniques // edited by Zhiwei Peng, Kelvin Yu Xie, Mingming Zhang, Jian Li, Bowen Li, Sergio Neves Monteiro, Rajiv Soman, Jiann-Yang Hwang, Yunus Eren Kalay, Juan P. Escobedo-Diaz, John S. Carpenter, Andrew D. Brown, Shadia Ikhmayies
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Altri autori (Persone)	XieKelvin Yu ZhangMingming LiJian LiBowen MonteiroSergio Neves SomanRajiv HwangJiann-Yang KalayYunus Eren Escobedo-DiazJuan P
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Sommario/riassunto	The collection focuses on the advancements of characterization of minerals, metals, and materials and the applications of characterization

results on the processing of these materials. Advanced characterization methods, techniques, and new instruments are emphasized. Areas of interest include but are not limited to: Extraction and processing of various types of minerals, process-structure-property relationship of metal alloys, glasses, ceramics, polymers, composites, semiconductors, and carbon using functional and structural materials Novel methods and techniques for characterizing materials across a spectrum of systems and processes Characterization of mechanical, thermal, electrical, optical, dielectric, magnetic, physical, and other properties of metals, polymers, and ceramics including battery materials Characterization of structural, morphological, and topographical natures of materials at micro- and nano-scales Characterization of extraction and processing including process development and analysis Advances in instrument development for microstructure analysis and performance evaluation of materials, such as computer tomography (CT), X-ray and neutron diffraction, electron microscopy (SEM, FIB, TEM), and spectroscopy (EDS, WDS, EBSD) techniques 2D and 3D modelling for materials characterization.

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Autore

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Wandel Cordula <1968->

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Contents: Characteristics of Hungary's Regions and Industries - Manufacturing Industry Concentration - Regional Development 1992 to 2008 - Econometric Analyses of Agglomeration and Regional Specialization - New Economic Geography Models - European Regional Policy - Policy Implications for an enlarged EU.

Sommario/riassunto

In context with the Eastern enlargement of the European Union, this research deals with the effects of pre- and post-enlargement integration policies on industry concentration and regional development in Hungary. Economic processes are analysed empirically and by means of regression analyses with a spatial perspective and in the framework of the new economic geography over a time span of almost two decades. The results for the manufacturing industries and for regional specialization show which economic centres played a role for the economic development of the country over time. The roles which agglomerations and regional specialization can play are discussed with a view to the problems of cohesion in Hungary, the enlarged EU and future EU accession countries. The conclusions also take into account the current political and academic debate regarding European regional policy.