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Soggetti	Energy policy Electric power production Development economics Sustainability Biomaterials Energy Policy, Economics and Management Electrical Power Engineering Mechanical Power Engineering Development Economics
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Technologies for Development: What Really Matters? -- Commercial Channels for Sustainable Technology Deployment in Developing Countries -- A Pilot of 3D Printing of Medical Devices in Haiti -- Innovating for the Bottom of the Pyramid: Case Studies in Healthcare from India -- Solar Water Heating System Co-Design and Do-It-Yourself Approach for Appropriate Technology Diffusion: The MédinaCase Study (Dakar, Senegal) -- Medical Devices and Information

Communication Technologies for the Base of the Pyramid -- Designing Suitable Assistive Technology for the Population with Motor Disabilities in Colombia -- Tools to Measure the Development Impact of Innovations -- Comparing Cookstove Usage Measured with Sensors versus Cell Phone-Based Surveys in Darfur, Sudan.

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Sommario/riassunto

The book presents case studies from Africa, Asia and Latin America addressing global development issues in the fields of health, energy, ICT and urbanism in an interdisciplinary way. The book illustrates key issues at the interface of technology, human, social, and economic development. Bringing together the best papers of the 2014 EPFL-UNESCO Conference on Technologies for Development, this book explores innovative technologies in the global South. It will be a valuable reference for researchers from engineering, natural sciences, information management, quantitative social sciences, and business faculties, as well as for development practitioners and policy makers. It shows the development potential of technologies, and discusses successful processes to develop and deploy them, as well how to evaluate their impact. The introduction to the book begins with a reflection on key issues regarding technologies for development. The following four sections focus on; (i) Innovative Technologies for Development, (ii) Open Source-Open Access-Open Innovation, (iii) Medical Technologies for the Global South, and (iv) Impact Assessment of Technologies for Development. Individual chapters explore issues such as a need for solid standards for newly developed technologies, how to successfully up-scale technology to a larger region, and how to involve private industry in the development of a technology.

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