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Making Microchips: Policy, Globalization, and Economic Restructuring in the Semiconductor Industry (Hardback)

By Professor Jan Mazurek, Jan Nazurek, Janice Mazurek

MIT Press Ltd, United States, 1999. Hardback. Book Condition: New. New.. 229 x 160 mm. Language: English . Brand New Book. In Making Microchips, Jan Mazurek examines the environmental and economic implications of the computer microchip industry s exodus from California s Silicon Valley to New Mexico, Virginia, Ireland, and Taiwan. Globalization, economic restructuring, and changing manufacturing processes in this rapidly growing industry present difficult new questions for environmental policy. Mazurek challenges the assumptions of U.S. policies designed to promote the competitiveness of domestic microchip makers. She argues that, although these initiatives focus on the economic effects of environmental regulation, they fail to acknowledge how economic and organizational changes within the industry collide with and often confound efforts to monitor and manage pollution from chemicals used in microchip manufacturing. Despite its reputation as a clean industry, microchip manufacturing is fraught with hazards. More than sixty dangerous acids, solvents, caustics, and gases are used to make microchips, and some of them are suspected to be carcinogens and/or reproductive toxins. Mazurek describes the environmental by-products of chipmaking, including soil contamination, air and water pollution, and damage to human health. Applying insights from economic geography to questions of how and where companies organize...

Reviews

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