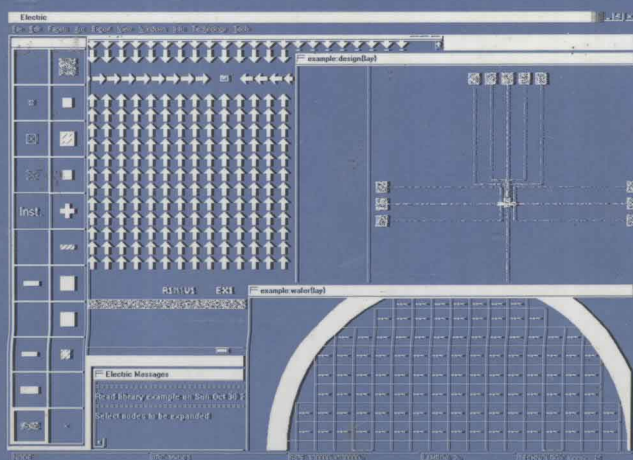
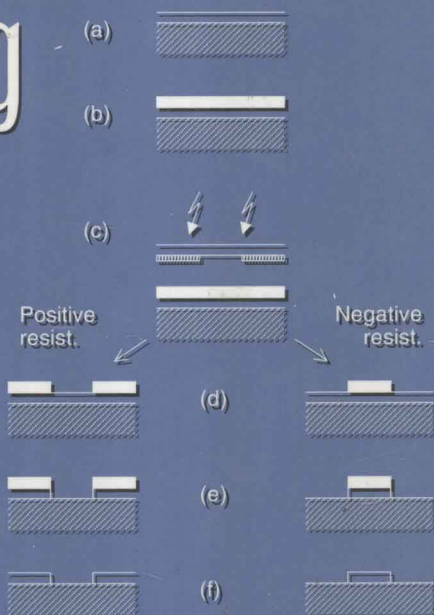


Microengineering, MEMS, and Interfacing

A Practical Guide



Danny Banks



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A Practical Guide

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A Series of Textbooks and Reference Books

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Dedication



To Amanda Lamb

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The Author

Danny Banks first studied electronic engineering at Leicester Polytechnic (now DeMontfort University), U.K., graduating in 1990 with a B.Eng. (Hons). He then joined the University of Surrey, U.K., as a Ph.D. student. His research involved modeling and experimental investigation of micromachined microelectrodes for recording neural signals from peripheral nerve trunks. He was awarded his Ph.D. in 1995. Subsequently, he was employed as a postdoctoral research fellow in the biomedical engineering group and was able to spend a further three years on this research. From 1997 to 1999, he was employed as a postdoctoral fellow at the European Molecular Biology Laboratory in Heidelberg, Germany. His work involved the investigation of microfabricated devices for biochemical analysis of single cells. He was also involved in the promotion of artificial microstructures for applications in molecular biology.

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