

1. Record Nr.	UNINA9910451879103321
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Titolo	Microprocessor and peak oil [[electronic resource]] : discontinuities in our civilisation // C.R. Jesshope
Pubbl/distr/stampa	Amsterdam, : Amsterdam University Press, c2006
ISBN	1-280-95860-X 9786610958603 90-485-0563-1 1-4294-5459-8
Descrizione fisica	1 online resource (24 p.)
Disciplina	605
Soggetti	Technology - Social aspects Computer engineering Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	This lecture will explore the challenges of working in an exponentially changing world from the perspective of a computer engineer and architect. The benefits and problems associated with exponential change in computer systems will be illustrated by also exploring current events that follow the exactly the same trends. The challenges of introducing concurrency into our computer chips is the main topic of the lecture but both the growth of technology and our use of oil have been significant events in our society, appearing to be discontinuous but in fact following a predictable and challenging