

1. Record Nr.	UNISA996418436003316
Titolo	Modern developments in vacuum electron sources // Georg Gaertner, Wolfram Knapp, Richard G. Forbes, editors
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2020] ©2020
ISBN	3-030-47291-4
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XVIII, 597 p. 300 illus., 183 illus. in color.)
Collana	Topics in applied physics ; ; Volume 135
Disciplina	621.381
Soggetti	Vacuum microelectronics Field emission
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Historical development and advanced new applications of vacuum electron sources -- State of the art and future perspectives of Scandate cathodes -- Review of impregnated and reservoir Ba dispenser cathodes -- New developments in Ba oxide cathodes -- Electron sources for medical X-ray tubes -- High brightness cathodes for high resolution electron beam applications -- Progress in field electron emission science -- Carbon-based field emitters, properties and applications -- Explosive electron emission of carbon based cathodes and applications -- Photocathodes.
Sommario/riassunto	This book gives an overview of modern cathodes and electron emitters for vacuum tubes and vacuum electron devices in general. It covers the latest developments in field emission theory as well as new methods towards improving thermionic and cold cathodes. It addresses thermionic cathodes, such as oxide cathodes, impregnated and scandate cathodes, as well as photocathodes and field emitters – the latter comprising carbon nanotubes, graphene and Spindt-type emitter arrays. Despite the rise and fall of the once dominant types of vacuum tubes, such as radio valves and cathode ray tubes, cathodes are continually being improved upon as new applications with increased demands arise, for example in electron beam lithography, high-power and high-frequency microwave tubes, terahertz imaging and electron

sources for accelerators. Written by 17 experts in the field, the book presents the latest developments in cathodes needed for these applications, discussing the state of the art and addressing future trends.

2. Record Nr.	UNINA9910788211803321
Autore	Oliver Kelly <1958->
Titolo	Technologies of life and death [[electronic resource]] : from cloning to capital punishment // Kelly Oliver
Pubbl/distr/stampa	New York, : Fordham University Press, 2013
ISBN	0-8232-5225-6 0-8232-5303-1 0-8232-5226-4 0-8232-5110-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (272 p.)
Disciplina	174.2
Soggetti	Bioethics Biotechnology - Moral and ethical aspects
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 and index.
Nota di contenuto	Front matter -- Contents -- Acknowledgments -- Introduction: Moral Machines and Political Animals -- One. Genetic Engineering: Deconstructing Grown versus Made -- Two. Artificial Insemination: Deconstructing Choice versus Chance -- Three. Girl Powered: Poetic Majesty against Sovereign Majesty -- Four. Rearview Mirror: Art, Violence, and Sublimation -- Five. Elephant Autopsy: Optic Machinery and the Scale of Sovereignty -- Six. Deadly Devices: Animals, Capital Punishment, and the Scope of Sovereignty -- Seven. Death Penalties: Ethics, Politics, and the Unconscious of Sovereignty -- Notes -- Bibliography -- Index
Sommario/riassunto	The central aim of this book is to approach contemporary problems raised by technologies of life and death as ethical issues that call for a more nuanced approach than mainstream philosophy can provide. To

do so, it draws on the recently published seminars of Jacques Derrida to analyze the extremes of birth and dying insofar as they are mediated by technologies of life and death. With an eye to reproductive technologies, it shows how a deconstructive approach can change the very terms of contemporary debates over technologies of life and death, from cloning to surrogate motherhood to capital punishment, particularly insofar as most current discussions assume some notion of a liberal individual. The ethical stakes in these debates are never far from political concerns such as enfranchisement, citizenship, oppression, racism, sexism, and the public policies that normalize them. *Technologies of Life and Death* thus provides pointers for rethinking dominant philosophical and popular assumptions about nature and nurture, chance and necessity, masculine and feminine, human and animal, and what it means to be a mother or a father. In part, the book seeks to disarticulate a tension between ethics and politics that runs through these issues in order to suggest a more ethical politics by turning the force of sovereign violence back against itself. In the end, it proposes that deconstructive ethics with a psychoanalytic supplement can provide a corrective for moral codes and political clichés that turn us into mere answering machines.
