

1. Record Nr.	UNINA9910785259703321
Titolo	First forts : essays on the archaeology of proto-colonial fortifications / / editor, Eric Klingelhofer
Pubbl/distr/stampa	Leiden ; ; Boston, : Brill, 2010
ISBN	1-282-94886-5 9786612948862 90-04-18732-4
Descrizione fisica	1 online resource (292 p.)
Collana	History of warfare, , 1385-7827 ; ; v. 60
Altri autori (Persone)	KlingelhoferEric C
Disciplina	725/.18
Soggetti	Fortification - History Culture conflict - History First contact (Anthropology) Colonization - History Europeans - Antiquities Archaeology and history Excavations (Archaeology) Europe Colonies History
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	Preliminary Material / E. Klingelhofer -- Introduction / E. Klingelhofer -- The Aurelian Wall In Rome: Renaissance Fortification In Theory And Practice / David G. Orr -- Strategies Of Adjustment: Spanish Defense Of The Circum-Caribbean Colonies, 1493–1600 / Kathleen Deagan -- A Survey Of French Fortifications In The New World,1530–1650 / Steven R. Pendery -- Tudor Overseas Fortifications: A Review And Typology / Eric Klingelhofer -- Nansemond Pallizado And Virginia Palisade Fortifications / Nicholas M. Lucchetti -- Bermuda's First Forts, 1612– 1622 / Edward Cecil Harris -- 'Within Musquett Shott Of Black Rock' – Johnson's Fortand The Early Defenses Of Nevis, West Indies / Roger Leech -- Dutch Colonial Forts In New Netherland / Paul R. Huey -- The 'Old Netherlands Style' And Seventeenth-Century Dutch Fortifications Of The Caribbean / Jay B. Haviser -- High Versus Low: Portuguese And

Dutch Fortification Traditions Meet In Colonial Brazil (1500–1654) / Oscar F. Hefting -- Early Trade Posts And Forts Of West Africa / Christopher R. DeCorse -- Dutch Forts Of Seventeenth Century Ceylon And Mauritius: An Historical Archaeological Perspective / Ranjith Jayasena and Pieter Floore -- Glossary / E. Klingelhofer -- Select Bibliography / E. Klingelhofer -- Index / E. Klingelhofer.

Sommario/riassunto

Proto-colonial archaeology explores the physical origins of the world culture that evolved out of contacts made in the Age of Exploration, from Columbus to Cromwell. The early defended sites show how colonizing Europeans first responded to the challenges of new environments and new peoples, and how their choices led to conquest, adaption, or failure. Fortifications, once necessary to protect the colonies, are now essential clues to understand their history. The first comparative study of proto-colonial fortifications, *First Forts* is a collection of essays written by leading archaeologists in the field. Meeting the needs of archaeologists and historians around the globe, this book will also appeal to military enthusiasts, preservationists, and students of the Age of Exploration. Contributors are David Orr, Kathleen Deagan, Steven Pendery, Eric Klingelhofer, Nicholas Lucchetti, Edward Harris, Roger Leech, Paul Huey, Jay Havisser, Oscar Hefting, Christopher DeCorse, Ranjith Jayasena and Pieter Floore.

2. Record Nr.	UNINA9910792211903321
Titolo	The X-ray standing wave technique : principles and applications / / editors, Jorg Zegenhagen, European Synchrotron Radiation Facility, France, Alexander Kazimirov, Cornell University, USA
Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ, : World Scientific, c2013 New Jersey : , : World Scientific, , [2013] 2013
ISBN	1-299-46214-6 981-277-901-9 9789812279007
Descrizione fisica	1 online resource (xxii, 534 pages) : illustrations (some color)
Collana	Series on synchrotron radiation techniques & applications ; ; v. 7
Disciplina	530.141
Soggetti	X-rays Standing waves Electromagnetic waves
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. X-ray standing waves in a nutshell / Jorg Zegenhagen and Alexander Kazimirov -- 2. Dynamical theory of X-ray standing waves in perfect crystals / Andre Authier -- 3. X-ray standing wave in complex crystal structures / Victor Kohn -- 4. X-ray standing wave in a backscattering geometry / D.P. Woodruff -- 5. X-ray standing wave at the total reflection condition / Michael J. Bedzyk -- 6. X-ray standing wave at grazing incidence and exit / Osami Sakata and Terrence Jach -- 7. X-ray standing wave in multilayers / Michael J. Bedzyk and Joseph A. Libera -- 8. Kinematical X-ray standing waves / Martin Tolkiehn and Dmitri V. Novikov -- 9. X-ray waveguides / Ianna Bukreev [and 4 others] -- 10. Compton scattering from X-ray standing wave field / Vladimir Bushuev -- 11. Theory of photoelectron emission from an X-ray interference field / Ivan A. Vartanyants and Jorg Zegenhagen -- 12. Site-specific X-ray photoelectron spectroscopy using X-ray standing waves / Joseph C. Woicik -- 13. Experimental basics / Alexander Kazimirov and Jorg Zegenhagen -- 14. XSW imaging / Michael J. Bedzyk

and Paul Fenter -- 15. X-ray standing waves in quasicrystals : atomic positions in an aperiodic lattice / Terrence Jach -- 16. X-ray standing waves in thin crystals : probing the polarity of thin epitaxial films / Alexander Kazimirov, Jorg Zegenhagen, Tien-Lin Lee and Michael Bedzyk -- 17. Isotopic effect on the lattice constant of germanium and silicon / Alexander Kazimirov [and 4 others] -- 18. Biomembrane models and organic monolayers on liquid and solid surfaces / S.I. Zheludeva [and 6 others] -- 19. Applications of XSW in interfacial geochemistry / Paul Fenter -- 20. Complex surface phases of Sb on Si (113) : combining XSW and density functional theory / M. Siebert, Th. Schmidt, J.I. Flege and J. Falta -- 21. X-ray standing wave analysis of non-commensurate adsorbate structures produced by Ga adsorption on Ge(111) / Jorg Zegenhagen -- 22. Photon stimulated desorption / Jan Ingo Flege [and 4 others] -- 23. Depth-profiling of marker layers using X-ray waveguides / Ajay Gupta -- 24. Coherent diffraction imaging with hard X-ray waveguides / Liberato de Caro [and 4 others] -- 25. X-ray standing wave for chemical-state specific surface structure determination / D.P. Woodruff -- 26. Site-specific X-ray photoelectron spectra of transition-metal oxides / Joseph C. Woicik -- 27. Probing multilayer nanostructures with photoelectron and X-ray emission spectroscopies excited by X-ray standing waves / S.-H. Yang, B.C. Sell, B.S. Mun and C.S. Fadley.

Sommario/riassunto

This volume presents the theoretical background, technical requirements and distinguished experimental highlights of the X-ray standing wave (XSW) technique. It equips scientists with the necessary information and knowledge to understand and use the XSW technique in practically all applications.
