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Altri autori (Persone)	LeeuwenTheodoor Marius van StanglinKeith D TolsmaMarijke
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Nota di contenuto	Preliminary Materials / Th. M. Leeuwen , K. Stanglin and M. Tolsma -- Arminius And Arminianism: An Overview Of Current Research / Keith D. Stanglin -- Jacobus Arminius:Theologian Of God’s Twofold Love / William Den Boer -- \'Augustine Asleep\' Or \'Augustine Awake\'? Jacobus Arminius’s Reception Of Augustine / Aza Goudriaan -- Arminius And Rome / Eric H. Cossee -- The Biblical Hermeneutics Of Socinians And Remonstrants In The Seventeenth Century / Kstutis Daugirdas -- Arminius Und Die Herbornertheologen: Am Beispiel Von Johannes Piscator / Andreas Mühling -- Arminius Redivivus? The Arminian Influence In French Switzerland And At The Beginning Of The Eighteenth Century / Maria-Cristina Pitassi -- Arminianism Amongst Protestant Dissenters In England And Ireland In The Eighteenth Century / David Steers -- Facing Arminius: Jacobus Arminius In Portrait / Marijke Tolsma -- Iconographia Arminiana: Portraits From 1609 Until Ca. 1850 / Marijke Tolsma -- Bibliographia Arminiana: A Comprehensive, Annotated Bibliography Of The Works Of Arminius /

Keith D. Stanglin and Richard A. Muller -- List Of Contributors / Th. M. Leeuwen , K. Stanglin and M. Tolsma -- Index Of Names / Th. M. Leeuwen , K. Stanglin and M. Tolsma -- Index Of Places / Th. M. Leeuwen , K. Stanglin and M. Tolsma -- Index Of Subjects / Th. M. Leeuwen , K. Stanglin and M. Tolsma.

Sommario/riassunto

19 October 2009 marked the 400th anniversary of the death of Jacobus Arminius in Leiden. He was esteemed for the way in which he sought a via media between strict Calvinism and a more humanistic variant of Christian belief. However, because of his deviation from mainstream Calvinism, he has also been violently attacked. Was he a pioneer, who enriched the Reformed tradition by opening it towards new horizons, or a heretic, who founded a new tradition, as an alternative to Reformed theology? The day of the death of this remarkable theologian was commemorated with a conference at Leiden University on Arminius, Aminianism, and Europe (9 and 10 October 2009). The main contributions to that conference are collected in this book. The first part contains some essays on the thinking of Arminius himself: the structure of his theology, his relation to Augustine, and to Rome. The second part deals with Arminianism. Was it influenced by Socinianism, as its opponents often claimed? How was it received in Europe: in Germany, Switzerland (Geneva), England, and Ireland? How far did Arminianism prepare the way for the ideals of the Enlightenment, which made its entry later on in the seventeenth century? An extensive iconography of Jacobus Arminius and an annotated bibliography of all his known writings complete, in the third part, this volume.

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Autore	Weiner Andrew Marc
Titolo	Ultrafast optics / / Andrew M. Weiner
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Nota di contenuto	-- Preface xiii -- 1 Introduction and Review 1 -- 1.1 Introduction to Ultrashort Laser Pulses 1 -- 1.2 Brief Review of Electromagnetics 4 -- 1.2.1 Maxwell's Equations 4 -- 1.2.2 The Wave Equation and Plane Waves 6 -- 1.2.3 Poynting's Vector and Power Flow 8 -- 1.3 Review of Laser Essentials 10 -- 1.3.1 Steady-State Laser Operation 10 -- 1.3.2 Gain and Gain Saturation in Four-Level Atoms 15 -- 1.3.3 Gaussian Beams and Transverse Laser Modes 17 -- 1.4 Introduction to Ultrashort Pulse Generation Through Mode-Locking 22 -- 1.5 Fourier Series and Fourier Transforms 25 -- 1.5.1 Analytical Aspects 25 -- 1.5.2 Computational Aspects 28 -- Problems 30 -- 2 Principles of Mode-Locking 32 -- 2.1 Processes Involved in Mode-Locking 32 -- 2.2 Active Mode-Locking 33 -- 2.2.1 Time-Domain Treatment 34 -- 2.2.2 Frequency-Domain Treatment 40 -- 2.2.3 Variations of Active Mode-Locking 43 -- 2.3 Passive Mode-Locking Using Saturable Absorbers 44

10.1.2 Electro-optic Sampling 513 -- 10.2 Ultrafast Electromagnetics: Terahertz Beams 516 -- 10.2.1 Generation and Measurement of Terahertz Pulses 517 -- 10.2.2 Terahertz Spectroscopy and Imaging 527 -- Problems 531 -- References 533 -- Index 563.

Sommario/riassunto

A comprehensive treatment of ultrafast optics This book fills the need for a thorough and detailed account of ultrafast optics. Written by one of the most preeminent researchers in the field, it sheds new light on technology that has already had a revolutionary impact on precision frequency metrology, high-speed electrical testing, biomedical imaging, and in revealing the initial steps in chemical reactions. Ultrafast Optics begins with a summary of ultrashort laser pulses and their practical applications in a range of real-world settings. Next, it reviews important background material, including an introduction to Fourier series and Fourier transforms, and goes on to cover: . Principles of mode-locking . Ultrafast pulse measurement methods . Dispersion and dispersion compensation . Ultrafast nonlinear optics: second order . Ultrafast nonlinear optics: third order . Mode-locking: selected advanced topics . Manipulation of ultrashort pulses . Ultrafast time-resolved spectroscopy . Terahertz time-domain electromagnetics Professor Weiner's expertise and cutting-edge research result in a book that is destined to become a seminal text for engineers, researchers, and graduate students alike.