

1. Record Nr.	UNINA9910130468803321
Autore	Seminara Fortunato <1903-1984.>
Titolo	Diari [[electronic resource]] : 1939-1976 // Fortunato Seminara ; testo, note e introduzione a cura di Erik Pesenti Rossi ; prefazione di Luigi Maria Lombardi Satriani
Pubbl/distr/stampa	Cosenza, : L. Pellegrini, [2009]
ISBN	88-8101-588-9
Descrizione fisica	446 p
Altri autori (Persone)	Pesenti RossiErik <1963->
Disciplina	853
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Diaries, partly publ. for the first time. Contains introd. (p. 13-34), notes and name index.
Nota di contenuto	(http://www.ilibri.casalini.it/toc/10014640.pdf)

2. Record Nr.	UNISA996495161303316
Autore	Hofer Christina
Titolo	Detection efficiency and bandwidth optimized electro-optic sampling of mid-infrared waves // Christina Hofer
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2022] ©2022
ISBN	9783031153280 9783031153273
Descrizione fisica	1 online resource (131 pages)
Collana	Springer theses
Disciplina	681.2
Soggetti	Detectors Infrared radiation Electrooptics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Doctoral Thesis accepted by Ludwig Maximilians University Munich, Garching, Germany."--Title page.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Supervisor's Foreword -- Abstract -- Acknowledgements -- Contents -- Acronyms -- 1 Introduction and Motivation -- References -- 2 Theoretical Background -- 2.1 Linear Optics -- 2.2 Perturbative Nonlinear Optics -- 2.3 Theoretical Description of EOS -- 2.3.1 Sum- and Difference-Frequency Generation -- 2.3.2 Pockels-Effect -- 2.3.3 Comparison to Time-Integrating MIR Characterization Techniques -- 2.4 Nonlinear Crystals and Phasematching -- 2.5 Noise in Balanced Detection -- 2.6 Techniques to Improve the EOS Dynamic Range and Sensitivity -- References -- 3 Simulation Results for EOS -- 3.1 Wavelength-Dependent EOS Signal for Thick Detection Crystals -- 3.2 MIR Depletion and Amplification for Phasematching SFG or DFG -- 3.3 Temporal and Spectral Transfer Functions -- 3.4 Detection Bandwidths for Different Gate Pulse Wavelengths -- 3.5 Pre-chirping of 1550-nm Gate Pulses -- References -- 4 Experimental Results -- 4.1 Optimization and Characterization of EOS with 1-m Gate Pulses -- 4.2 Dynamic Range and Background-Reduced Measurements -- 4.3 Bandwidth-Efficiency Trade-Off -- 4.4 Multiple Reflections from GaSe -- 4.5 Application of High-DR EOS: Waveform Stability Analysis -- 4.6 EOS with 1550-nm Gate Pulses -- 4.7 EOS with 2-m Gate Pulses -- 4.8

Optimized 2-m EOS: Reaching Percent-Level Detection Efficiency -- 4.9
Linearity of Large Depletion EOS Measurements -- References -- 5
Conclusion and Outlook -- References -- Appendix A Data Archiving
-- Appendix B Setup of the 2-m EOS -- Appendix C Curriculum Vitae.
