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Autore	Bazhan Mykola
Titolo	Quiet spiders of the hidden soul : Mykola (Nik) Bazhan's early experimental poetry // edited by Oksana Rosenblum, Lev Fridman, and Anzhelika Khyzhnia
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Descrizione fisica	1 online resource (324 pages)
Collana	Ukrainian studies
Disciplina	891.791308
Soggetti	Ukrainian poetry - 20th century Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di contenuto	Frontmatter -- Contents -- Acknowledgements -- Preface -- The Ukrainian Avant-Garde and Its Roots: The Poetics of Mykola (Nik) Bazhan -- COLLECTIONS -- /The Seventeenth Patrol (1926) -- Translator's Essay: Jumping the Corral Fence -- I I/TROOPER'S SONG -- I /IMOBILE OF GALAM -- /The Sculpted Shadow (1927) -- Translator's Essay: Mykola Bazhan's The Sculpted Shadow: Echoes of Acmeism -- /AUTUMN PATH -- /HORSESHOES -- /A MOMENT IN THE NIGHT -- /INDISTINCT SOUND -- /FERN -- /THE BLOOD OF CAPTIVE MAIDENS -- /LOVAGE -- —/LOVE POTION -- /THE INFINITE ROAD -- /Edifices (1929) -- /THE ROAD -- /A NIGHT CRUISE -- /TO MY FRIEND -- /FOXTROT -- /ELEGY FOR CIRCUS ATTRACTIONS -- /EDIFICES -- /HEART-TO-HEART CONVERSATION -- Short Poems (1923–1927) -- Translators' Essay: Just a Trick, Just a Flip -- Translator's Essay: The Elegance of Bazhan's Obscurity -- /ZURMA SWARM -- - /RUHR-MARCH -- -/AERO-MARCH --

/HOPS OF GREEN LEGS -- /CIRCUS -- Long Poems
(1929) -- /HOFFMANN'S NIGHT --
MAHI/GETTO IN UMAN -- Blind Bards (1930–1931) -- Translator's
Essay -- /BLIND BARDS -- Prose (1927) -- Translator's Essay --
: / MEETING AT THE
CROSSROAD STATION: A CONVERSATION BETWEEN THE THREE --
Afterword. From the Whirlpool of Creativity to Living on the Edge of a
Psychological Abyss: Mykola Bazhan in the 1920s and 1930s -- Editors,
Translators, and Contributing Writers -- Illustrations

Sommario/riassunto

This bilingual Ukrainian-English collection brings together the most interesting experimental works by Mykola (Nik) Bazhan, one of the major Ukrainian poets of the twentieth century. As he moved from futurism to neoclassicism, symbolism to socialist realism, Bazhan consistently displayed a creative approach to theme, versification, and vocabulary. Many poems from his three remarkable early collections (1926, 1927, and 1929) remain unknown to readers, both in Ukraine and the West. Because Bazhan was later forced into the straitjacket of officially sanctioned socialist realism, his early poetry has been neglected. This collection makes these outstanding works available for the first time.

2. Record Nr.	UNINA9910141799603321
Titolo	Coherent laser beam combining [[electronic resource] /] / edited by Arnaud Brignon
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ISBN	3-527-65279-5 3-527-65277-9 3-527-65280-9
Descrizione fisica	1 online resource (509 p.)
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Disciplina	539.7
Soggetti	Nonlinear optics Laser beams
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	Coherent Laser Beam Combining; Contents; Preface; Acronyms; List of Contributors; Part One: Coherent Combining with Active Phase Control; 1 Engineering of Coherently Combined, High-Power Laser Systems; 1.1 Introduction; 1.2 Coherent Beam Combining System Requirements; 1.3 Active Phase-Locking Controls; 1.3.1 Optical Heterodyne Detection; 1.3.2 Synchronous Multidither; 1.3.3 Hill Climbing; 1.4 Geometric Beam Combining; 1.4.1 Tiled Aperture Combiners; 1.4.2 Filled Aperture Combiners Using Diffractive Optical Elements; 1.4.2.1 Overview of DOE Combiners; 1.4.2.2 DOE Design and Fabrication 1.4.2.3 DOE Thermal and Spectral Sensitivity1.5 High-Power Coherent Beam Combining Demonstrations; 1.5.1 Coherent Beam Combining of Zigzag Slab Lasers; 1.5.2 Coherent Beam Combining of Fiber Lasers; 1.5.2.1 Phase Locking of Nonlinear Fiber Amplifiers; 1.5.2.2 Path Length Matching with Broad Linewidths; 1.5.2.3 Diffractive CBC of High-Power Fibers; 1.5.2.4 CBC of Tm Fibers at 2 m; 1.6 Conclusion; Acknowledgments; References; 2 Coherent Beam Combining of Fiber Amplifiers via LOCSET; 2.1 Introduction; 2.1.1 Beam Combination Architectures; 2.1.2 Active and Passive Coherent Beam Combining 2.2 Locking of Optical Coherence by Single-Detector Electronic-Frequency Tagging2.2.1 LOCSET Theory; 2.2.2 Self-Referenced LOCSET; 2.2.2.1 Photocurrent Signal; 2.2.2.2 LOCSET Demodulation;

2.2.3 Self-Synchronous LOCSET; 2.3 LOCSET Phase Error and Channel Scalability; 2.3.1 LOCSET Beam Combining and Phase Error Analysis; 2.3.2 In-Phase and Quadrature-Phase Error Analysis; 2.3.3 Two-Channel Beam Combining; 2.3.4 16-Channel Beam Combining; 2.3.5 32-Channel Beam Combining; 2.4 LOCSET High-Power Beam Combining; 2.4.1 Kilowatt-Scale Coherent Beam Combining of Silica Fiber Lasers
2.4.2 Kilowatt-Scale Coherent Beam Combining of Photonic Crystal Fiber Amplifiers
2.5 Conclusion; References; 3 Kilowatt Coherent Beam Combining of High-Power Fiber Amplifiers Using Single-Frequency Dithering Techniques; 3.1 Introduction; 3.1.1 Brief History of Coherent Beam Combining; 3.1.2 Coherent Beam Combining: State of the Art; 3.1.3 Key Technologies for Coherent Beam Combining; 3.2 Single-Frequency Dithering Technique; 3.2.1 Theory of Single-Frequency Dithering Technique; 3.2.2 Kilowatt Coherent Beam Combining of High-Power Fiber Amplifiers Using Single-Frequency Dithering Technique
3.2.3 Coherent Polarization Beam Combining of Four High-Power Fiber Amplifiers Using Single-Frequency Dithering Technique
3.2.4 Target-in-the-Loop Coherent Beam Combination of Fiber Lasers Based on Single-Frequency Dithering Technique; 3.3 Sine-Cosine Single-Frequency Dithering Technique; 3.3.1 Theory of Sine-Cosine Single-Frequency Dithering Technique; 3.3.2 Coherent Beam Combining of Nine Beams Using Sine-Cosine Single-Frequency Dithering Technique; 3.4 Summary; References; 4 Active Coherent Combination Using Hill Climbing-Based Algorithms for Fiber and Semiconductor Amplifiers
4.1 Introduction to Hill Climbing Control Algorithms for Active Phase Control

Sommario/riassunto

Recently, the improvement of diode pumping in solid state lasers and the development of double clad fiber lasers have allowed to maintain excellent laser beam quality with single mode fibers. However, the fiber output power is often limited below a power damage threshold. Coherent laser beam combining (CLBC) brings a solution to these limitations by identifying the most efficient architectures and allowing for excellent spectral and spatial quality. This knowledge will become critical for the design of the next generation high-power lasers and is of major interest to many industrial, environmental, and defense applications.

3. Record Nr.	UNINA9910273490303321
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Note generali	Refereed/Peer-reviewed