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| Autore | Nicastro, Guido |
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| Altri autori (Persone) | NijsHans C. M. den
BartschD (Detlef)
SweetJeremy |
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Nota di contenuto

Contents; First-named Contributors; Acknowledgements; 1 Introduction and the AIGM Research Project; 2 Hybridization in Nature: Lessons for the Introgression of Transgenes into Wild Relatives; 3 Introgressive Hybridization Between Invasive and Native Plant Species - a Case Study in the Genus *Rorippa* (Brassicaceae); 4 Hybrids Between Cultivated and Wild Carrots: a Life History; 5 Gene Exchange Between Wild and Crop in *Beta vulgaris*: How Easy is Hybridization and What Will Happen in Later Generations?; 6 Hybridization Between Wheat and Wild Relatives, a European Union Research Programme
7 Molecular Genetic Assessment of the Potential for Gene Escape in Strawberry, a Model Perennial Study Crop
8 Gene Flow in Forest Trees: Gene Migration Patterns and Landscape Modelling of Transgene Dispersal in Hybrid Poplar; 9 Implications for Hybridization and Introgression Between Oilseed Rape (*Brassica napus*) and Wild Turnip (*B. rapa*) from an Agricultural Perspective; 10 Asymmetric Gene Flow and Introgression Between Domesticated and Wild Populations; 11 Crop to Wild Gene Flow in Rice and its Ecological Consequences
12 Potential for Gene Flow from Herbicide-resistant GM Soybeans to Wild Soya in the Russian Far East
13 Analysis of Gene Flow in the Lettuce Crop-Weed Complex; 14 Introgression of Cultivar Beet Genes to Wild Beet in the Ukraine; 15 Crop-Wild Interaction Within the *Beta vulgaris* Complex: a Comparative Analysis of Genetic Diversity Between Seabeet and Weed Beet Populations Within the French Sugarbeet Production Area; 16 Crop-Wild Interaction Within the *Beta vulgaris* Complex: Agronomic Aspects of Weed Beet in the Czech Republic
17 A Protocol for Evaluating the Ecological Risks Associated with Gene Flow from Transgenic Crops into Their Wild Relatives: the Case of Cultivated Sunflower and Wild *Helianthus annuus*
18 A Review on Interspecific Gene Flow from Oilseed Rape to Wild Relatives; 19 Gene introgression and Consequences in Brassica; 20 Transgene Expression and Genetic Introgression Associated with the Hybridization of GFP Transgenic Canola (*Brassica napus* L.) and Wild Accessions of Bird Rape (*Brassica rapa* L.); 21 Insect-resistant Transgenic Plants and Their Environmental Impact
22 Risk Assessment of Genetically Modified Undomesticated Plants
23 A Tiered Approach to Risk Assessment of Virus Resistance Traits Based on Studies with Wild Brassicas in England; 24 Environmental and Agronomic Consequences of Herbicide-resistant (HR) Canola in Canada; 25 Prospects of a Hybrid Distribution Map Between GM *Brassica napus* and Wild *B. rapa* Across the UK; 26 Potential and Limits of Modelling to Predict the Impact of Transgenic Crops in Wild Species; 27 Introgression of GM Plants and the EU Guidance Note for Monitoring; Index

Sommario/riassunto

Contributes to the GM debate by examining the unintentional spread of new genes from cultivated plants to their wild relatives, and the subsequent impacts on the ecology of wild plants and their associated flora and fauna.

3. Record Nr.	UNISA996465892703316
Titolo	Combinatorial image analysis : 12th international workshop, IWZIA 2008, Buffalo, NY, USA, April 7-9, 2008, proceedings // Valentin E. Brimkov, Reneta P. Barneva, Herbert A. Hauptman (editors)
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Edizione	[1st ed. 2008.]
Descrizione fisica	1 online resource (XVI, 448 p.)
Collana	Image Processing, Computer Vision, Pattern Recognition, and Graphics ; ; 4958
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Nota di contenuto	Digital Geometry and Topology: Curves and Surfaces -- Connectivity Preserving Voxel Transformation -- Thinning on Quadratic, Triangular, and Hexagonal Cell Complexes -- Experimental Comparison of Continuous and Discrete Tangent Estimators Along Digital Curves -- Polyhedral Surface Approximation of Non-convex Voxel Sets through the Modification of Convex Hulls -- Weighted Neighborhood Sequences in Non-standard Three-Dimensional Grids -- Parameter Optimization -- Computing Homology Generators for Volumes Using Minimal Generalized Maps -- Digital Segments and Hausdorff Discretization -- Combinatorics in Digital Spaces: Lattice Polygons, Polytopes, Tilings, and Patterns -- Scaling of Plane Figures That Assures Faithful Digitization -- Computing Admissible Rotation Angles from Rotated Digital Images -- On the Number of hv-Convex Discrete Sets -- Finding the Orthogonal Hull of a Digital Object: A Combinatorial Approach -- A Discrete Approach for Supervised Pattern Recognition -- Image Representation, Segmentation, Grouping, and Reconstruction -- Robust Decomposition of Thick Digital Shapes -- Segmentation of Noisy Discrete Surfaces -- MRF Labeling with a Graph-Shifts Algorithm -- Label Space: A Multi-object Shape Representation -- A New Image Segmentation Technique Using Maximum Spanning Tree --

Applications of Computational Geometry, Integer and Linear Programming to Image Analysis -- Reducing the Coefficients of a Two-Dimensional Integer Linear Constraint -- A Branch & Bound Algorithm for Medical Image Registration -- Global Optimization for First Order Markov Random Fields with Submodular Priors -- Transformation Polytopes for Line Correspondences in Digital Images -- Linear Boundary and Corner Detection Using Limited Number of Sensor Rows -- Fuzzy and Stochastic Image Analysis, Parallel Architectures and Algorithms -- A Convergence Proof for the Horn-Schunck Optical-Flow Computation Scheme Using Neighborhood Decomposition -- Topologically Correct 3D Surface Reconstruction and Segmentation from Noisy Samples -- Detecting the Most Unusual Part of a Digital Image -- Labeling Irregular Graphs with Belief Propagation -- Grammars and Models for Image or Scene Analysis -- Image Registration Using Markov Random Coefficient Fields -- A Secret Sharing Scheme for Digital Images Based on Two-Dimensional Linear Cellular Automata -- Pure 2D Picture Grammars (P2DPG) and P2DPG with Regular Control -- A Deterministic Turing Machine for Context Sensitive Translation of Braille Codes to Urdu Text -- Rewriting P Systems Generating Iso-picture Languages -- Discrete Tomography, Medical Imaging, and Biometrics -- Reconstructing a Matrix with a Given List of Coefficients and Prescribed Row and Column Sums Is NP-Hard -- A Reasoning Framework for Solving Nonograms -- A Memetic Algorithm for Binary Image Reconstruction -- Personal Identification Based on Weighting Key Point Scheme for Hand Image -- A Min-Cost-Max-Flow Based Algorithm for Reconstructing Binary Image from Two Projections Using Similar Images -- Comparison of Local and Global Region Merging in the Topological Map -- Novel Edge Detector.
