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Micro-Raman Investigation in Mixed Oxide Films TiO[sub(2)]-V[sub(2)] O[sub(5)] Grown by Sol-Gel MethodNear-field Raman Spectroscopy: An Experimental Set-up; Optical and Electronic Characterization of UV Detectors Based on Synthetic Diamond; Optical Spectroscopy Studies of Single Layers and Superstructures of Porous Silicon; Pulsed Laser Deposition of Superlattices and Diamond-like Carbon Films; Quality Indicators for CVD Diamond Films: A Raman Study; Raman Analysis of CVD Diamond: Influence of the Growth Parameters; Raman and Impedance Spectroscopic Investigation of PEO-Lithium Triflate Films Raman Spectra of Amorphous Carbon-based Thin Films: A Comparative Discussion on the Analysis of the 1000-1800 cm[sup(-1)] Region by Different ModelsRelaxational Dynamics of Water in Porous Glasses; Saturation Effects in Degenerate Four Wave Mixing Lineshape on FeI Atomic Vapours; SER Studies of lH-1,2,4-Triazole on Silver Sol; Spatially Resolved CARS Thermometry and CH LIF Detection on Laboratory Flames; The G-Band Frequency-Position in Raman Spectra of Amorphous Carbon-Nitride Based Materials: Correlation with the Chemical Composition
The Restoration of the Ursino Castle in Catania: Investigations and PlanningTwo-Photon Fluorescence Excitation and Optoacoustic Spectra of PolyDCHD-HS; Vibrational Study by Raman and FT-IR Spectroscopy of Trehalose/Water Solutions; Author Index

Sommario/riassunto

The National Group of Raman Spectroscopy and non-linear effects (GNSR) meets every two years to explore results and applications. This volume constitutes the proceedings of the meeting in 2001, presenting the ideas and experiences of a range of members of the scientific community.