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Titolo	Quasi One-Dimensional Conductors II [[electronic resource]] : Proceedings of the International Conference, Dubrovnik, SR Croatia, SFR Yugoslavia, 1978 / / edited by S. Barisic, A. Bjelis, J.R. Cooper, B. Leontic
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Nota di contenuto	Electron-electron interactions in the physics of the 1D conductors -- Generalized wigner lattices and band motion effects -- Relationship between the 1-D fermi gas model and other models -- Electronic structure of the three phases in MEM(TCNQ) ₂ -- Experiments on the phase transitions in MEM(TCNO) ₂ -- The spin-peierls transition and other aspects of the magnetic behavior of the compounds TTF · MS ₄ C ₄ (CF ₃) ₄ (M = Pt, Cu, Au) -- New theory of the spin-peierls transition with special relevance to the experiments on TTFCuBDT -- Theory for the order — disorder and metal-insulator phase-transitions in (Ti 1-C VC) 407 -- Analogies between a three-dimensional coulomb gas in a strong magnetic field and the one-dimensional electron gas with backward scattering -- Gap renormalization in the one-dimensional electron gas with backward scattering -- Properties of the one-dimensional electron gas -- The new method in the theory of nearly ideal one-dimensional fermi-gas. correlation functions -- Novel

method to calculate the response functions of the Tomonaga model -- Peierls dimerization and excitonic effects on the interband absorption of an antiferromagnetic Hubbard chain -- Collective mode in quasi one-dimensional spin lattice coupled system -- Double resonance identification of the magnetic chain in quinolinium(TCNQ)₂ -- Very low temperature magnetic phase transition in Pyridinium (TCNQ)₂ -- Friedel oscillation in one-dimensional Hubbard model -- Spin-Peierls transition in magnetic field -- One-dimensional phonons and chain-ordering in Hg₃-AsF₆ -- One-dimensional fluctuations and the chain-ordering transformation in Hg₃-AsF₆* -- Magnetic field induced residual resistivity and anisotropic superconductivity in the linear chain compound, Hg₃-AsF₆ -- X-ray scattering studies on the quasi-one-dimensional conductors NbSe₃ and TTF-SCN -- Lattice distortions and phonons in organic conductors with incommensurate lattices -- The crystal structures of electroconducting cation-radical salts -- New conducting ternary compounds (Ammonium-TCNQ-Iodine) the example of tmhda salt (Tetramethylhexamethylenediammonium) -- X-Ray diffuse scattering study of iodine chains in (TTT)₂ I₃+? -- Effects of disorder on the thermoelectric power and electrical conductivity of TTT₂I₃ -- Preparation, structure, and electrical conduction properties of quasi one dimensional platino-oxalates -- Electrical conductivity studies of K_{1.75}[Pt(CN)₄]_{1.5}H₂O ? K(def)CP. -- Phonon dispersion and neutron scattering law S(k,?) for a quasi-one-dimensional Peierls-system -- Interpretation of the infrared and Resonance Raman spectra of linear mixed valence compounds -- Evidence for a new type of orientational antiphase structure in platinum chain compounds -- Raman scattering and luminescence in K_{1.75}Pt(CN)₄·1.5H₂O (K(def) TCP) -- Multiple band electron-phonon transport theory in A₁₅-compounds -- Mean field theory of a one-dimensional band conductor, with arbitrary band filling -- Conductivity of quasi-one-dimensional metal system with random impurities -- Disordered 1D conductors -- Disordered magnetic chain behavior of quinolinium (TCNQ)₂ and related materials at low temperatures -- Band filling, mobility and disorder in molecular conductors -- Transport and magnetic properties of a doped organic semiconductor — TTF with bromine -- Effects of impurities on the ordered phases of one-dimensional systems -- The effects of a low temperature irradiation on TTF-TCNQ and related compounds -- One dimensional spin glasses with antiferromagnetic exchange -- Magnetism in one-dimensional disordered systems -- Electron transmission and wave propagation through one dimensional disordered system -- Localization of spin waves in a dilute magnet near the percolation threshold -- Molecular substitutional disorder in solid solutions of TTF-TCNQ and TSeF-TCNQ -- Low temperature magnetic susceptibility of three complex tcnq salts with asymmetric donors -- Low temperature magnetic susceptibility of the organic alloy NMP_{0.63}phenazine_{0.37}TCNQ -- Charge transfer c₀mplexes of ferrocenes and TCNQ -- Some charge transfer salts of fluorinated TCNQ; mott insulators isostructural with organic conductors -- ACP (CL), a close analogue of KCP(Br) -- Physical properties of organic metallic compounds : radical-cations salts of TTT and TSeT with iodine -- The physical and chemical properties of the reaction product between trimethylammonium iodide and TCNQ. a ternary 1-D semiconductor with 'metal-like' conductivity -- Salts of TCNQ and heterocyclic amnes conjugated acids — New organic conductors via redox-reaction : Heterocyclic amines — TCNQ — hydroquinone -- Highly conducting salt: Tetraphenyldithiopyranylidene-iodine, d_{ips}_{0.4}/I₂.28 -- Optical and transport properties of TTT IxBr_{1.5}?x alloys -- Semiconducting and metallic organic polymers: Chemically

doped polyacetylene, $(CH)_x$ -- Transport properties of doped polyacetylene -- Properties of brominated $(SN)_x$ -- X-ray absorption in polymeric conductors -- Conductivity and magnetoresistance of the halogenated $(SN)_x$ -derivates: $(SNBr_{0.4})_x$, $(SNI_{0.02})_x$, $[SN(ICI)_{0.1}]_x$ -- Magnetic properties of filamentary superconductors -- $(SN)_x$ semiconductor solar cells -- Conducting polymers -- Electronic structure of trans- and cis-polyacetylene -- Hall effect in AsF_5 doped polyacetylene, $(CH)_x$ -- Kohn anomalies in the phonon dispersion on polysulfur nitride, $(SN)_x$ -- The electrical conductivity of poly(sulphur nitride) at microwave frequencies -- Low temperature thermal conductivity of polysulfur nitride, $(SN)_x$. -- Structure of brominated $(SN)_x$ and S_4N_4 -- An electronic model for the high conductivity in brominated- $(SN)_x$ and in $(SN)_x$ under pressure -- Linear temperature dependence of the magnetic susceptibility of brominated $(SN)_x$ -- Fluctuation magneto conductivity of a finite fibre -- Role of symmetry in the study of quasi one-dimensional systems -- Graph-theoretical approach to the estimation of the energy gap of polymeric conjugated hydrocarbons -- Temperature dependence and anisotropy of hc_2 in superconducting $(SN)_x$.
