

Plenary and Invited Talks

E.M. Dianov, *FORC (Moscow)*

State of the art and prospects of development of fiber optics (plenary report)

I.A. Bufetov, *FORC (Moscow)*

Fiber lasers: one more breakthrough in laser physics (plenary report)

P.V. Mamyshev, *Mintera Corporation (USA)*

Modern high-bit-rate fiber-optic communication systems (plenary report)

S.V. Bureev, K.V. Dukelskii, V.A. Eronyan, L.G. Levit, S.I. Vavilov *State Optical Institute (Saint-Petersburg)*,

A.G. Andreev, V.S. Ermakov, I.I. Kruykov, M.K. Tsibinogina, *Perm Scientific Industrial Instrument-Making Company (Perm)*

Inexpensive technology of high-capacity optical fiber performs

L.N. Butvina, O.V. Sereda, A.G. Okhrimchuk, E.M. Dianov, *FORC (Moscow)*

IR crystalline optical fibers for 3-20 μm range and their applications

S.A. Vasiliev, O.I. Medvedkov, *FORC (Moscow)*

Photosensitivity of optical fibers and in-fiber refractive index gratings

A.B. Grudin, *Fianium (UK)*

Pulsed fiber lasers

A.N. Guryanov, *Institute of Chemistry of High-Purity Substances (Nizhnii Novgorod)*

Technology of active optical fibers

K.V. Dukelskii, Yu.N. Kondrat'ev, V.S. Shevandin, *S.I. Vavilov State Optical Institute (Saint-Petersburg)*

Development of microstructured optical fibers in S.I. Vavilov State Optical Institute

V.N. Logozinskii, *Physoptica (Moscow)*

Miniature fiber-optic gyroscopes

Yu.T. Larin, G.I. Meshchanov, *All-Russian Research Institute of the Cable Industry, (Moscow)*

Fiber-optic cables: state of the art and problems in Russia and in the world

O.G. Okhotnikov, *Optoelectronics Research Centre, Tampere University of Technology (Finland)*

New semiconductor and photonic technologies for pulsed fiber lasers

A.N. Pilipetskii, *Tyco Telecommunications (USA)*

Transoceanic fiber-optic communication systems

S.L. Semjonov, *FORC (Moscow)*

Microstructured optical fibers

A.L. Tomashuk, *FORC (Moscow)*

Radiation-resistant and radiation-sensitive optical fibers

S.K. Turitsyn, *Aston University (UK)*

Application of parabolic pulses to optical signal processing

M.F. Churbanov, *Institute of Chemistry of High-Purity Substances (Nizhnii Novgorod)*

Chalcogenide optical fibers for 2-11 μm spectral range