Universiteterne er en grundpille i demokratiet. Pas på ikke at ødelægge dem med konstante reformer og forandringer

Research output: Communication › Journal article – Annual report year: 2017

Universities need to create value that benefits society

Research output: Research - peer-review › Book chapter – Annual report year: 2015

Microwave and Photonic Metamaterials

Research output: Research › Sound/Visual production (digital) – Annual report year: 2014

Myten om de dovne studerende

Research output: Communication › Contribution to newspaper - Feature article – Annual report year: 2013

Sammen kan vi skabe vækst og produktivitet

Research output: Communication › Contribution to newspaper - Newspaper article – Annual report year: 2012

Fibre illumination system

Research output: Research › Patent – Annual report year: 2012

Light distribution system comprising spectral conversion means

Research output: Research › Patent – Annual report year: 2012

Udenlandske studerende er en gevinst for Danmark

Research output: Communication › Contribution to newspaper - Comment/debate – Annual report year: 2012

Liquid Crystal photonic Bandgap Fiber Devices

Research output: Research › Ph.D. thesis – Annual report year: 2011

Low loss liquid crystal photonic bandgap fiber in the near-infrared region

Research output: Research - peer-review › Journal article – Annual report year: 2011

Liquid Crystal Photonic bandgap Fibers: Modeling and Devices

Research output: Research › Ph.D. thesis – Annual report year: 2010

Advances in photonic bandgap fiber functionality

Research output: Research › Ph.D. thesis – Annual report year: 2011
167 W, 1178 nm Ytterbium-Doped Photonic Bandgap Fiber Amplifier with Power Scalability
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

167 W, power scalable ytterbium-doped photonic bandgap fiber amplifier at 1178nm
Research output: Research - peer-review › Journal article – Annual report year: 2010

Electrically tunable bandpass filter based on liquid crystal photonic bandgap fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

Electrically tunable bandpass filter using solid-core photonic crystal fibers filled with multiple liquid crystals
Research output: Research - peer-review › Journal article – Annual report year: 2010

Electrically tunable liquid crystal photonic bandgap fiber laser
Research output: Research - peer-review › Conference article – Annual report year: 2010

Electrically tunable Yb-doped fiber laser based on a liquid crystal photonic bandgap fiber device
Research output: Research - peer-review › Journal article – Annual report year: 2010

Future illumination systems and the climate change challenge: the case of danish office lighting
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2010

Liquid crystal parameter analysis for tunable photonic bandgap fiber devices
Research output: Research - peer-review › Journal article – Annual report year: 2010

Low loss liquid crystal photonic bandgap fiber in the near-infrared region
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

Modelling of PCF Nonlinearities
Research output: Research - peer-review › Book chapter – Annual report year: 2010

Tunable and rotatable polarization controller using photonic crystal fiber filled with liquid crystal
Research output: Research - peer-review › Journal article – Annual report year: 2010

Amplification and ASE suppression in a polarization-maintaining ytterbium-doped solid-core photonic bandgap fibre
Research output: Research - peer-review › Conference article – Annual report year: 2009

Analysis of liquid crystal properties for photonic crystal fiber devices
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Beyond optical horizons: today and tomorrow with photonics
Research output: Communication › Book – Annual report year: 2009

Biased liquid crystal infiltrated photonic bandgap fiber
Research output: Research - peer-review › Journal article – Annual report year: 2009

Compact Design of an Electrically Tunable and Rotatable Polarizer Based on a Liquid Crystal Photonic Bandgap Fiber
Research output: Research - peer-review › Journal article – Annual report year: 2009

Compact electrically controlled broadband liquid crystal photonic bandgap fiber polarizer
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009
Compact Electrically tunable Waveplate Based on Liquid Crystal Photonic Bandgap Fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Compact optically-fed microwave true-time delay using liquid crystal photonic bandgap fiber device
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Continuously tunable all-in-fiber devices based on thermal and electrical control of negative dielectric anisotropy liquid crystal photonic bandgap fibers
Research output: Research - peer-review › Journal article – Annual report year: 2009

Crystal photonic bandgap fiber based compact electrically tunable long period grating device
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Frequency tunability of solid-core photonic crystal fibers filled with nanoparticle-doped liquid crystals
Research output: Research - peer-review › Journal article – Annual report year: 2009

Introduction to Beyond optical horizons: formulating our long term goals
Research output: Communication › Book chapter – Annual report year: 2009

On-chip tunable long-period grating devices based on liquid crystal photonic bandgap fibers
Research output: Research - peer-review › Journal article – Annual report year: 2009

On-chip tunable long-period gratings in liquid crystal infiltrated photonic crystal fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Optically fed microwave true-time delay based on a compact liquid-crystal photonic-bandgap-fiber device
Research output: Research - peer-review › Journal article – Annual report year: 2009

Photolithography of thick photoresist coating for electrically controlled liquid crystal photonic bandgap fibre devices
Research output: Research - peer-review › Journal article – Annual report year: 2009

Photolithography of thick photoresist coating in anisotropically etched V-grooves for electrically controlled liquid crystal photonic bandgap fiber devices
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

SU-8 process optimization for high fiber coupling efficiency of liquid crystal filled photonic bandgap fiber components
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Temperature influence on electrically controlled liquid crystal filled photonic bandgap fiber devices
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Theoretical analysis of a biased photonic crystal fiber infiltrated with a negative dielectric anisotropy liquid crystal
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009

Thermal tunability of photonic bandgaps in liquid crystal infiltrated microstructured polymer optical fibers
Research output: Research - peer-review › Journal article – Annual report year: 2009

Tunable and rotatable birefringence controller based on electrical control of liquid crystal filled photonic bandgap fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2009
A Dual-Function All-in-Fiber Device Based on Negative Dielectric Liquid Crystal Photonic Bandgap Fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

All-Silica Hollow-Core Microstructured Bragg Fibers for Biosensor Application
Research output: Research - peer-review › Journal article – Annual report year: 2008

Amplification and ASE suppression in a polarization-maintaining ytterbium-doped allsolid photonic bandgap fibre
Research output: Research - peer-review › Journal article – Annual report year: 2008

A Polarization Maintaining Filter based on a Liquid-Crystal-Photonic-Bandgap-Fiber
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Biased liquid crystal photonic bandgap fiber
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Broadband light generation at ~1300 nm through spectrally recoiled solitons and dispersive waves
Research output: Research - peer-review › Journal article – Annual report year: 2008

Gaussian Filtering with Tapered Oil-Filled Photonic Bandgap Fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Guiding Properties of Silica/Air Hollow-Core Bragg Fibers
Research output: Research - peer-review › Journal article – Annual report year: 2008

High Thermal and Electrical Tunability of Negative Dielectric Liquid Crystal Photonic Bandgap Fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Nanoparticles Doped Liquid Crystal Filled Photonic Bandgap Fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Noise filtering in a multi-channel system using a tunable liquid crystal photonic bandgap fiber
Research output: Research - peer-review › Journal article – Annual report year: 2008

Optiske Horiønter: Institut for Fotonik, DTU
Research output: Research › Paper – Annual report year: 2008

Simulating the Bandgap Shift of a Biased Liquid Crystal Infiltrated Photonic Crystal Fiber
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Spectral properties of liquid crystal photonic bandgap fibres with splay-aligned mesogens
Research output: Research - peer-review › Journal article – Annual report year: 2008

The First Years of Crystal Fibre A/S from a University Perspective
Research output: Research - peer-review › Book chapter – Annual report year: 2008

Tunable All-in-Fiber Waveplates Based on Negative Dielectric Liquid Crystal Photonic Bandgap Fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2008

Tunable polarisation-maintaining filter based on liquid crystal photonic bandgap fibre
Research output: Research - peer-review › Journal article – Annual report year: 2008
Supercontinuum generation in photonic crystal fibres: Modelling and dispersion engineering for spectral shaping
Research output: Research › Ph.D. thesis – Annual report year: 2007

Analysis of the dependence of the guided mode field distribution on the silica bridges in hollow-core Bragg fibers
Research output: Research › peer-review › Conference article – Annual report year: 2007

Compact Electrically Controlled Broadband Liquid Crystal Photonic Bandgap Fiber Polarimeter for 1550 nm
Research output: Research › peer-review › Article in proceedings – Annual report year: 2007

Confinement less spectral behavior in hollow-core Bragg fibers
Research output: Research › peer-review › Journal article – Annual report year: 2007

Effects of Mesogens non-axial Orientation on the properties of Liquid Crystal Photonic Bandgap Fibres
Research output: Research › peer-review › Article in proceedings – Annual report year: 2007

Electrically controlled broadband liquid crystal photonic bandgap fiber polarimeter
Research output: Research › peer-review › Journal article – Annual report year: 2007

Hybrid photonic crystal fiber devices for polarization analysis and control
Research output: Research › peer-review › Conference abstract for conference – Annual report year: 2007

Infiltrated microstructured fibers as tunable and nonlinear optical devices
Research output: Research › peer-review › Poster – Annual report year: 2007

Integrating liquid crystal based optical devices in photonic crystal fibers
Research output: Research › peer-review › Journal article – Annual report year: 2007

Integrating optical devices in microstructured optical fibers
Research output: Research › peer-review › Conference abstract for conference – Annual report year: 2007

Krystaller i dobbelt forstand: Fusion af fladskærm og lysleder
Research output: Research › peer-review › Book chapter – Annual report year: 2007

Liquid crystal photonic bandgap fiber components
Research output: Research › peer-review › Article in proceedings – Annual report year: 2007

Liquid Crystals and Photonic Bandgap Fiber Components
Research output: Research › peer-review › Poster – Annual report year: 2007

Localized biosensing with Topas microstructured Polymer Optical Fiber
Research output: Research › peer-review › Journal article – Annual report year: 2007

Methods of supercontinuum generation for effective down-conversion in photonic crystal fibers
Research output: Research › peer-review › Conference abstract for conference – Annual report year: 2007

Polarization Properties of Elliptical-Hole Liquid Crystal Photonic Bandgap Fibers
Research output: Research › peer-review › Journal article – Annual report year: 2007

Semiconductor optical amplifier based swept wavelength source at 1060 nm using a scanning Fabry-Perot filter and an YDFA-based booster amplifier
Research output: Research › peer-review › Journal article – Annual report year: 2007
Semiconductor optical amplifier based swept wavelength source at 1060nm using a scanning Fabry-Perot filter and an YDFA-based booster amplifier
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Silica Bridge Impact on Hollow-core Bragg Fiber Transmission Properties
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Supercontinuum generation in photonic crystal fibers using quasi-CW pumping
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2007

Temporal nonlinear beam dynamics in infiltrated photonic crystal fibers
Research output: Research - peer-review › Poster – Annual report year: 2007

Tunable all-optical devices based on liquid-filled photonic crystal fibers
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2007

Tunable bandpass filter based on photonic crystal fiber filled with multiple liquid crystals
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Tunable Beam Diffraction in Infiltrated Microstructured Fibers
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2007

Tunable diffraction and self-defocusing in liquid-filled photonic crystal fibers
Research output: Research - peer-review › Journal article – Annual report year: 2007

Tunable nonlinear beam defocusing in infiltrated photonic crystal fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2007

Incoherent Optical Frequency Domain Reflectometry for Distributed Thermal Sensing
Research output: Research › Ph.D. thesis – Annual report year: 2006

Swept wavelength lasers in the 1 um region: Designs and applications
Research output: Research › Ph.D. thesis – Annual report year: 2006

Advances on Microstructures Optical Fibres and Planar Optical Devices
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2006

All-optical wavelength multicasting with extinction ratio enhancement using pump-modulated four-wave mixing in a dispersion-flattened nonlinear photonic crystal fiber
Research output: Research - peer-review › Journal article – Annual report year: 2006

Are hollow-core fibers attractive for high-power fiber lasers?
Research output: Research - peer-review › Article in proceedings – Annual report year: 2006

Biosensing using microstructured polymer optical fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2006

Flat super-continuum generation based on normal dispersion nonlinear photonic crystal fibre
Research output: Research - peer-review › Journal article – Annual report year: 2006
Gaussian Filtering with Tapered Liquid Crystal Photonic Bandgap Fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2006

High $dn_{\phi}/dT$ liquid crystals and their applications in a thermally tunable liquid crystal photonic crystal fiber
Research output: Research - peer-review › Journal article – Annual report year: 2006

Highly tunable large core single-mode liquid crystal photonic bandgap fiber
Research output: Research - peer-review › Journal article – Annual report year: 2006

Highly tunable large core single-mode liquid crystal photonic bandgap fiber
Research output: Research - peer-review › Article in proceedings – Annual report year: 2006

Microstructured Fibers: Design and Applications
Research output: Research - peer-review › Journal article – Annual report year: 2006

Microstructured Optical Fibers, fundamental properties and biosensor applications
Research output: Research - peer-review › Article in proceedings – Annual report year: 2006

Microstructured optical fibers - Fundamentals and applications
Research output: Research - peer-review › Journal article – Annual report year: 2006

Microstructured Optical Fibres
Research output: Research - peer-review › Book chapter – Annual report year: 2006

Microstructured polymer optical fiber biosensors for detection of DNA and antibodies
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2006

Nonlinear polarization rotation in a dispersion-flattened photonic-crystal fiber for ultrawideband (> 100 nm) all-optical wavelength conversion of 10 Gbit/s nonreturn-to-zero signals
Research output: Research - peer-review › Journal article – Annual report year: 2006

Optical Amplifiers
Research output: Research - peer-review › Book chapter – Annual report year: 2006

Photonic Crystal Fibres and their Applications
Research output: Research › Conference abstract in proceedings – Annual report year: 2006

Second-harmonic generation with zero group-velocity mismatch in nonlinear photonic crystal fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2006

Second-harmonic Generation with Zero Group-Velocity Mismatch in Nonlinear Photonic Crystal Fibers
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2006

Soliton collision and Raman gain regimes in continuous-wave pumped supercontinuum generation
Research output: Research - peer-review › Journal article – Annual report year: 2006

Strained silicon as a new electro-optic material
Research output: Research - peer-review › Journal article – Annual report year: 2006

The influence of input pump polarization on supercontinuum generation in photonic crystal fibers
Research output: Research - peer-review › Paper – Annual report year: 2006
Tunable gaussian filter based on tapered liquid crystal photonic bandgap fibre
Research output: Research - peer-review › Journal article – Annual report year: 2006

Photonic Crystal Fibres for Dispersion and Sensor Applications
Research output: Research › Ph.D. thesis – Annual report year: 2005

Optical devices based on liquid crystal photonic bandgap fibers
Research output: Research › Ph.D. thesis – Annual report year: 2005

Rare-Earth Doped Photonic Crystal Fibre Lasers and Amplifiers
Research output: Research › Ph.D. thesis – Annual report year: 2005

Air-guiding photonic bandgap fibers
Research output: Research › Article in proceedings – Annual report year: 2005

Air-guiding Photonic Bandgap Fibers
Research output: Research › Ph.D. thesis – Annual report year: 2005

All-optical pulse compression and reshaping by spectral filtering from self-phase modulation in a nonlinear photonic crystal fiber
Research output: Research - peer-review › Poster – Annual report year: 2005

All-optical signal regeneration based on pump modulated four-wave mixing in a nonlinear photonic crystal fiber
Research output: Research - peer-review › Poster – Annual report year: 2005

All-optical wavelength multicasting using four-wave mixing in a dispersion-flattened nonlinear photonic crystal fiber
Research output: Research - peer-review › Poster – Annual report year: 2005

Applications of photonic crystal fibers in optical communications - What is in the future?
Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

Broad bandwidth light-wave frequency synthesizer in the 1-1.1-um range
Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

Continuously tunable devices based on electrical control of dual-frequency liquid crystal filled photonic bandgap fibers
Research output: Research - peer-review › Journal article – Annual report year: 2005

Electrically tunable photonic bandgap guidance in a liquid crystal filled photonic crystal fiber
Research output: Research - peer-review › Journal article – Annual report year: 2005

Electrically controllable liquid crystal photonic bandgap fiber with dual-frequency control
Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

Electrically tunable photonic bandgap guidance in a liquid crystal filled photonic crystal fiber
Research output: Research - peer-review › Journal article – Annual report year: 2005

High $d\rho_\phi/dT$ liquid crystals and their applications in a thermally tunable liquid crystal photonic crystal fiber
Research output: Research - peer-review › Article in proceedings – Annual report year: 2005
High-resolution, real-time imaging using a fiber-based optical coherence tomography system
Research output: Research - peer-review › Poster – Annual report year: 2005

Metal-assisted coupling to hollow-core photonic crystal fibres
Research output: Research - peer-review › Journal article – Annual report year: 2005

Modeling and experimental verification of infusion speed of liquids in photonic crystal fibers
Research output: Research - peer-review › Poster – Annual report year: 2005

Nonlinear suppression of interferometric crosstalk with dispersion imbalanced loop mirror using dispersion flattened high-nonlinearity photonic crystal fiber
Research output: Research - peer-review › Poster – Annual report year: 2005

Novel waveguide devices
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2005

Optically tunable photonic bandgap fiber
Research output: Research - peer-review › Journal article – Annual report year: 2005

Optical tuning of photonic bandgaps in dye-doped nematic liquid crystal photonic crystal fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

Passive and active photonic crystal fibres
Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

Photonic crystal fibers: fundamentals to emerging applications
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2005

Polarization-insensitive widely tunable wavelength converter based on four-wave mixing in a dispersion-flattened nonlinear photonic crystal fiber
Research output: Research - peer-review › Journal article – Annual report year: 2005

Selective detection of antibodies in microstructured polymer optical fibers
Research output: Research - peer-review › Journal article – Annual report year: 2005

Selective filling of Photonic Crystal Fibres
Research output: Research - peer-review › Journal article – Annual report year: 2004

Supercontinuum generation in a photonic crystal fiber tapered to normal dispersion for all wavelengths
Research output: Research - peer-review › Poster – Annual report year: 2005

Supercontinuum generation in photonic crystal fibers: The role of the second zero dispersion wavelength
Research output: Research › Conference abstract in proceedings – Annual report year: 2005

Supercontinuum generation in untapered and tapered photonic crystal fibers with two zero dispersion wavelengths
Research output: Research - peer-review › Conference article – Annual report year: 2005

Supercontinuum generation in untapered and tapered photonic crystal fibers with two zero dispersion wavelengths
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2005

Swept-wavelength source for optical coherence tomography in the 1 um range
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2005
Swept wavelength source in the 1 um range
Research output: Research - peer-review › Journal article – Annual report year: 2005

Tunable photonic bandgap fiber based devices for optical networks
Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

Tuning in on Liquid Crystal-Infiltrated Photonic Crystal Fibers: Optics and Materials
Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

Wavelength-tunable dispersion-imbalanced loop mirror based on dispersion-flattened high-nonlinearity photonic crystal fiber and its application in suppression of the incoherent interferometric crosstalk
Research output: Research - peer-review › Journal article – Annual report year: 2005

Widely tunable wavelength conversion with extinction ratio enhancement using PCF-based NOLM
Research output: Research - peer-review › Journal article – Annual report year: 2005

Air-guiding air-silica bragg fibers with nano-structured cladding
Research output: Research › Poster – Annual report year: 2004

Air-guiding air-silica bragg fibers with nano-structured cladding
Research output: Research - peer-review › Journal article – Annual report year: 2004

Air-Guiding Photonic Bandgap Fibers: Spectral Properties, Macrobending Loss, and Practical Handling
Research output: Research - peer-review › Journal article – Annual report year: 2004

All-optical modulation in dye-doped nematic liquid crystal photonic bandgap fibers
Research output: Research - peer-review › Journal article – Annual report year: 2004

All-optical signal restoration by spectral filtering of self phase modulation in nonlinear photonic crystal fiber
Research output: Research - peer-review › Poster – Annual report year: 2004

All-silica photonic bandgap fibre with zero dispersion and a large mode area at 730 nm
Research output: Research - peer-review › Journal article – Annual report year: 2004

A novel photonic crystal fibre design for dispersion compensation
Research output: Research - peer-review › Journal article – Annual report year: 2004

Bandwidth comparison of photonic crystal fibers and conventional single mode fibers
Research output: Research - peer-review › Journal article – Annual report year: 2004

Birefringence-induced splitting of the Zero-dispersion wavelength in nonlinear photonic crystal fibers
Research output: Research - peer-review › Journal article – Annual report year: 2004

Cob-web microstructured fibers optimized for supercontinuum generation with picosecond pulses
Research output: Research - peer-review › Paper – Annual report year: 2004

Coupling reducing k-points for supercell models of defects in three-dimensional photonic crystals
Research output: Research - peer-review › Journal article – Annual report year: 2004
Dispersion engineered cob-web photonic crystal fibers for efficient supercontinuum generation
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Dispersion engineered nano-structured cob-web photonic crystal fibres for efficient supercontinuum generation
Research output: Research - peer-review › Poster – Annual report year: 2004

Distributed optical fibre devices based on liquid crystal infiltrated photonic crystal fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Electrically tunable fiber device based on a nematic liquid crystal filled photonic crystal fiber
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Evanescent-wave sensing using a hollow-core photonic crystal fibre
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

First demonstration of air-silica bragg fiber
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Group-theoretical description of the triangular air-silica photonic crystal out of plane propagation
Research output: Research - peer-review › Journal article – Annual report year: 2004

Large Mode Area Photonic Crystal Fibers
Research output: Research › Ph.D. thesis – Annual report year: 2004

Liquid crystal photonic bandgap fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Liquid crystal photonic crystal fiber
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Low index-contrast photonic bandgap fiber for transmission of short pulsed light
Research output: Research - peer-review › Journal article – Annual report year: 2004

Low-voltage optical devices based on liquid crystal photonic bandgap fibres
Research output: Research - peer-review › Journal article – Annual report year: 2004

Micro- and nano optics in optical networks
Research output: Research - peer-review › Paper – Annual report year: 2004

Molecular immobilization and detection in a photonic crystal fibre
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Nonlinear effects and supercontinuum generation in photonic crystal fibres
Research output: Research › Paper – Annual report year: 2004

Nonlinear Photonic Crystal Fibers: Design and Applications
Research output: Research › Ph.D. thesis – Annual report year: 2004

Phase- and group velocity matching in triangular photonic crystal fibres
Research output: Research › Journal article – Annual report year: 2004
Photonic crystal devices: lasers, waveguides and superdispersive elements
Research output: Research - peer-review › Paper – Annual report year: 2004

Photonic crystal fiber based antibody detection
Research output: Research - peer-review › Paper – Annual report year: 2004

Photonic crystal fiber based antibody detection
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Photonic crystal fiber based evanescent-wave sensor for detection of biomolecules in aqueous solutions
Research output: Research - peer-review › Journal article – Annual report year: 2004

Photonic crystal fiber design for broadband directional coupling
Research output: Research - peer-review › Journal article – Annual report year: 2004

Photonic crystal fibers and applications
Research output: Research › Paper – Annual report year: 2004

Photonic crystal fibers: Technologies and applications
Research output: Research › Paper – Annual report year: 2004

Photonic crystal fibres and their applications in lasers
Research output: Research › Paper – Annual report year: 2004

Photonic crystal fibres with large nonlinear coefficients
Research output: Research - peer-review › Journal article – Annual report year: 2004

Photonic crystal structures in sensing technology
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Predicting macrobending loss for large-mode area photonic crystal fibres
Research output: Research - peer-review › Journal article – Annual report year: 2004

Reduction of coupling loss to photonic crystal fibers by controlled hole collapse: A numerical study
Research output: Research - peer-review › Journal article – Annual report year: 2004

Second-harmonic generation in microstructured fibres: simultaneous phase-and groupvelocity matching
Research output: Research - peer-review › Poster – Annual report year: 2004

Selective detection of labeled DNA using an air-clad photonic crystal fiber
Research output: Research - peer-review › Article in proceedings – Annual report year: 2004

Simultaneous phase- and group-velocity matching in photonic crystal fibres
Research output: Research - peer-review › Paper – Annual report year: 2004

Ultra-large bandwidth hollow-core guiding in all-silica bragg fibers with nano-supports
Research output: Research - peer-review › Journal article – Annual report year: 2004

Very low zero-dispersion wavelength predicted for single-mode modified-total-internal-reflection crystal fibre
Research output: Research - peer-review › Journal article – Annual report year: 2004
Widely tunable wavelength converter by four wave mixing in a dispersion-flattened nonlinear photonic crystal fiber
Research output: Research - peer-review › Paper – Annual report year: 2004

Modelling of photonic crystal fibres
Research output: Research › Ph.D. thesis – Annual report year: 2003

Air-guidance over 345m large-core photonic bandgap fibre
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

All silica photonic bandgap fiber
Research output: Research › Article in proceedings – Annual report year: 2003

All silica photonic bandgap fibre
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

A novel photonic crystal fibre switch
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Birefringence-induced splitting of the zero-dispersion wavelength in nonlinear telecom photonic crystal fibres
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Chromatic dispersion in photonic crystal fibres: fast and accurate scheme for calculation
Research output: Research - peer-review › Journal article – Annual report year: 2003

Coupling-reducing k-points for photonic crystal fibre calculations
Research output: Research - peer-review › Journal article – Annual report year: 2003

Designing the dispersion for optimum supercontinuum bandwidth using picosecond pulses
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Dispersion properties of photonic crystal fibres-issues and opportunities
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Doped photonic bandgap fibres for short-wavelength nonlinear devices
Research output: Research - peer-review › Journal article – Annual report year: 2003

Dynamic waveguiding in photonic crystal fibres
Research output: Research › Poster – Annual report year: 2003

Dynamic waveguiding in photonic crystal fibres
Research output: Research › Article in proceedings – Annual report year: 2003

Evanescent-wave sensing of biomolecules in queous solutions using a photonic crystal fibre
Research output: Research - peer-review › Paper – Annual report year: 2003

Fully dispersion controlled triangular-core nonlinear photonic crystal fiber
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Higher-order mode dispersion in photonic crystal fibres
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003
Improved all-silica endlessly single-mode photonic crystal fibre
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Improving efficiency of supercontinuum generation in photonic crystal fibers
Research output: Research - peer-review › Journal article – Annual report year: 2003

Improving efficiency of supercontinuum generation in photonic crystal fibres by direct degenerate four-wave mixing
Research output: Research - peer-review › Journal article – Annual report year: 2003

Investigation of microdeformation-induced attenuation spectra in a photonic crystal fibre
Research output: Research - peer-review › Journal article – Annual report year: 2003

Liquid crystal photonic bandgap fibers with tunable properties for optical signal processing
Research output: Research › Paper – Annual report year: 2003

Low pump power photonic crystal fiber amplifiers
Research output: Research › Article in proceedings – Annual report year: 2003

Low pump power photonic crystal fibre amplifiers
Research output: Research - peer-review › Journal article – Annual report year: 2003

Low pump power photonic crystal fibre amplifiers
Research output: Research - peer-review › Paper – Annual report year: 2003

Macrobending loss in air-guiding photonic crystal fibres
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Material effects in air-guiding photonic bandgap fibres
Research output: Research - peer-review › Journal article – Annual report year: 2003

Mode areas and field energy distributions in honeycomb photonic bandgap fibres
Research output: Research - peer-review › Journal article – Annual report year: 2003

Mode-field radius of photonic crystal fibers expressed by the V-parameter
Research output: Research - peer-review › Journal article – Annual report year: 2003

Moderne teknik efterlignes naturen
Research output: Communication › Journal article – Annual report year: 2003

Molecular immobilization and detection in a photonic crystal fibre
Research output: Research › Poster – Annual report year: 2003

Non-destructive system for monitoring photonic crystal fibre properties
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

Optical devices based on liquid crystal photonic bandgap fibres
Research output: Research - peer-review › Journal article – Annual report year: 2003

OPTICAL FIBRE WITH HIGH NUMERICAL APERTURE, METHOD OF ITS PRODUCTION, AND USE THEREOF
Research output: Research › Patent – Annual report year: 2003
Optical properties of photonic crystal fibres expressed by a V-parameter
Research output: Research › peer-review › Article in proceedings – Annual report year: 2003

Photonic crystal fiber based evanescent-wave sensor for detection of biomolecules in aqueous solutions
Research output: Research › Article in proceedings – Annual report year: 2003

Photonic crystal fibers
Research output: Research › peer-review › Article in proceedings – Annual report year: 2003

Photonic crystal fibers: fundamental properties and applications within sensors
Research output: Research › peer-review › Article in proceedings – Annual report year: 2003

Photonic crystal fibre based evanescent-wave sensor for detection of biomolecules in aqueous solutions
Research output: Research › peer-review › Paper – Annual report year: 2003

Photonic crystal fibre based sensors
Research output: Research › Journal article – Annual report year: 2003

Photonic crystal fibres
Research output: Research › peer-review › Article in proceedings – Annual report year: 2003

Photonic Crystal Fibres
Research output: Research › peer-review › Book – Annual report year: 2003

Photonic crystal fibres - optical power guidance in air and waveguide dispersion
Research output: Research › peer-review › Poster – Annual report year: 2003

PLANAR OPTICAL WAVEGUIDES WITH PHOTONIC CRYSTAL STRUCTURE
Research output: Research › Patent – Annual report year: 2003

Properties of nonlinear photonic crystal fibres for telecommunication applications
Research output: Research › peer-review › Paper – Annual report year: 2003

Radial deformation losses in photonic crystal fibres
Research output: Research › peer-review › Journal article – Annual report year: 2003

Second-order polarization-mode dispersion in photonic crystal fibers
Research output: Research › peer-review › Article in proceedings – Annual report year: 2003

Second-order polarization-mode dispersion in photonic crystal fibres
Research output: Research › peer-review › Article in proceedings – Annual report year: 2003

Solid-core photonic bandgap fibre with large anomalous dispersion
Research output: Research › peer-review › Paper – Annual report year: 2003

Thermo-optic switching in liquid crystal infiltrated photonic bandgap fibres
Research output: Research › peer-review › Journal article – Annual report year: 2003

Tunable photonic bandgaps in a photonic crystal fibre filled with a cholesteric liquid crystal
Research output: Research › peer-review › Article in proceedings – Annual report year: 2003
Tunable photonic bandgaps in a photonic crystal fibre filled with a cholesteric liquid crystal
Research output: Research - peer-review › Article in proceedings – Annual report year: 2003

UV writing of advanced Bragg gratings in optical waveguides
Research output: Research › Ph.D. thesis – Annual report year: 2002

Photonic crystal fibers -: from theory to practice
Research output: Research › Ph.D. thesis – Annual report year: 2002

Optical coherence tomography: Monte Carlo simulation and improvement by optical amplification
Research output: Research › Ph.D. thesis – Annual report year: 2002

Optics of dielectric microstructures
Research output: Research › Ph.D. thesis – Annual report year: 2002

All-silica photonic crystal fibre with large mode area
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Bragg gratings in index-guiding photonic crystal fibres
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Coupling to photonic crystal fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Cut-off properties of index-guiding photonic crystal fibres
Research output: Research - peer-review › Journal article – Annual report year: 2002

Highly nonlinear photonic crystal fibre with zero-dispersion at 1.55 um
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Improving efficiency of supercontinuum generation in photonic crystal fibers by direct degenerate four-wave-mixing
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Introduction to crystal fibres
Research output: Research - peer-review › Journal article – Annual report year: 2002

Low pump power photonic crystal fiber amplifiers
Research output: Research › Paper – Annual report year: 2002

Modeling photonic crystal fibres with localized functions
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Photonic crystal fibres - a new class of optical waveguides
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Photonic crystal fibres - a variety of applications
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Photonic crystal fibres - a variety of applications
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002
Photonic crystal fibres - a variety of applications
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Photonic crystal fibres - novel fibres, new applications
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Photonic crystal fibres - theory and practice
Research output: Research - peer-review › Paper – Annual report year: 2002

Photonic crystal fibres - The state of the art
Research output: Research - peer-review › Paper – Annual report year: 2002

Photonic Crystal Fibres - the State-of-the-Art
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Pumping wavelength dependence of super continuum generation in photonic crystal fibres
Research output: Research - peer-review › Article in proceedings – Annual report year: 2002

Single mode waveguidance in photonic crystal fibres: criteria for a well-confined mode
Research output: Research - peer-review › Journal article – Annual report year: 2002

Spectral macro-bending loss considerations on photonic crystal fibres
Research output: Research - peer-review › Journal article – Annual report year: 2002

ytterbium- & erbium-doped silica for planar waveguide lasers & amplifiers
Research output: Research › Ph.D. thesis – Annual report year: 2001

Birefringence in photonic crystal fibres
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Designing finite height photonic crystal waveguides; confinement of light and dispersion relations
Research output: Research - peer-review › Journal article – Annual report year: 2001

Design of polarization-preserving photonic crystal fibres with elliptical pores
Research output: Research - peer-review › Journal article – Annual report year: 2001

High-birefringent photonic crystal fiber
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Highly birefringent index-guiding photonic crystal fibers
Research output: Research - peer-review › Journal article – Annual report year: 2001

Macro bending loss properties of photonic crystal fibers with different air filling fractions
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Macro-bending loss properties of photonic crystal fibre
Research output: Research - peer-review › Journal article – Annual report year: 2001

Macrobending loss properties of photonic crystal fibres with different air filling fractions
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001
Microbending in photonic crystal fibres - an ultimate loss limit?
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Modelling birefringence in isolated elliptical core photonic crystal fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Novel design properties of photonic crystal fibers
Research output: Research - peer-review › Journal article – Annual report year: 2001

Photonic bandgap
Research output: Research - peer-review › Journal article – Annual report year: 2001

Photonic crystal fiber modelling and applications
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Photonic crystal fibres and effective index approaches
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Photonic crystal fibres and the company Crystal Fibre A/S
Research output: Research › Article in proceedings – Annual report year: 2001

Polarization-preserving holey fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Recent developments on photonic crystal fibres
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Super continuum generation at 800 nm in highly nonlinear photonic crystal fibers with normal dispersion
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001

Theoretical analysis of finite-height planar photonic crystal waveguides
Research output: Research › Article in proceedings – Annual report year: 2001

Theoretical and numerical investigations of sub-wavelength diffractive optical structures
Research output: Research › Ph.D. thesis – Annual report year: 2000

Analysis of air-guiding photonic bandgap fibers
Research output: Research - peer-review › Journal article – Annual report year: 2000

Crystal Fibre Technology
Research output: Research - peer-review › Article in proceedings – Annual report year: 2000

Designing finite-height two-dimensional photonic crystal waveguides
Research output: Research - peer-review › Journal article – Annual report year: 2000

Design of Matched Cladding Fiber with UV-sensitive Cladding for Minimization of Claddingmode Losses in Fiber Bragg Gratings
Research output: Research - peer-review › Journal article – Annual report year: 2000

Design optimisation of erbium-doped fibres for use in L-band amplifiers
Research output: Research - peer-review › Journal article – Annual report year: 2000
A PHOTONIC BAND GAP FIBRE
Research output: Research › Patent – Annual report year: 1999

Design Optimisation of Erbium-Doped Planar Waveguide DBR Lasers
Research output: Research › peer-review › Article in proceedings – Annual report year: 1999

Dispersion properties of photonic Bandgap Fibres
Research output: Research › peer-review › Article in proceedings – Annual report year: 1999

Dispersion properties of photonic bandgap guiding fibers
Research output: Research › peer-review › Article in proceedings – Annual report year: 1999

Fundamentally new microstructured fiber waveguides for potential sensor applications
Research output: Research › peer-review › Article in proceedings – Annual report year: 1999

Guidance of light along an air-colum in an air column in a new calss of optical fibers
Research output: Research › Journal article – Annual report year: 1999

Highly erbium-doped glasses and photonic components
Research output: Research › Ph.D. thesis – Annual report year: 1999

Microstructured Optical Fibres
Research output: Research › Patent – Annual report year: 1999

Modeling of photonic Crystal Fibres
Research output: Research › peer-review › Article in proceedings – Annual report year: 1999

Observation of strongly nonquadratic homogeneous upconversion in Er 3+-doped silica fibers and reevaluation of the degree of clustering
Research output: Research › peer-review › Journal article – Annual report year: 1999

Optical electromagnetic vector-field modeling for the accurate analysis of finite diffractive structures of high complexity
Research output: Research › peer-review › Journal article – Annual report year: 1999

Photonic Bandgap Fibers
Research output: Research › peer-review › Article in proceedings – Annual report year: 1999

Photonic Crystal Fibres: A New Calss of Optical Waveguides
Research output: Research › peer-review › Journal article – Annual report year: 1999

Reduction of Bragg-grating-induced coupling to cladding modes
Research output: Research › peer-review › Journal article – Annual report year: 1999

Silica-air photonic crystal fiber design that permits waveguiding by a true photonic bandgap effect.
Research output: Research › peer-review › Journal article – Annual report year: 1999

Suppression of spontaneous emission for two-dimensional GaAs photonic crystal microcavities
Research output: Research › peer-review › Article in proceedings – Annual report year: 1999
Suppression of Spontaneous Emission for Two-Dimensional GaAs photonic Crystal Microavities
Research output: Research - peer-review › Article in proceedings – Annual report year: 1999

The Effect of Grating Design on the Performance of Erbium-Doped Planar Waveguide Distributed Bragg Reflector Lasers
Research output: Research - peer-review › Article in proceedings – Annual report year: 1999

Two-dimensional Kagomé Structure, Fundamental Hexagonal Photonic Crystal Configuration
Research output: Research - peer-review › Journal article – Annual report year: 1999

Waveguidance by the photonic bandgap effect in optical fibres
Research output: Research - peer-review › Journal article – Annual report year: 1999

Bragg grating induced cladding mode coupling due to asymmetrical index modulation in depressed cladding fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

Dispersion Properties of Photonic Crystal Fibers
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

Dispersion properties of photonic crystal fibres
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

Highly Increased Photonic Band Gaps in Silica/Air Structures
Research output: Research - peer-review › Journal article – Annual report year: 1998

Waveguiding by the Photonic Band Gap Effect
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

DFB fiber lasers
Research output: Research - peer-review › Book chapter – Annual report year: 1997

DFB fibre lasers
Research output: Research - peer-review › Book chapter – Annual report year: 1997

Hybrid erbium-doped fiber for gain flattened operation
Research output: Research - peer-review › Journal article – Annual report year: 1997

Monte Carlo simulations of homogeneous upconversion in erbium-doped silica glasses
Research output: Research - peer-review › Journal article – Annual report year: 1997

Optical amplifiers
Research output: Research - peer-review › Book chapter – Annual report year: 1997

Progress on erbium-doped waveguide components
Research output: Research - peer-review › Book chapter – Annual report year: 1997

A 2.5 Gb/s ATM add-drop unit for B-ISDN based on a GaAs LSI
Research output: Research - peer-review › Journal article – Annual report year: 1996

Microwave characteristics of polymer electro-optic modulators
Research output: Research - peer-review › Journal article – Annual report year: 1996
Modeling of Yb³⁺-sensitized Er³⁺-doped silica waveguide amplifiers
Research output: Research - peer-review; Journal article – Annual report year: 1995

Rare earth-doped integrated glass components: modeling and optimization
Research output: Research - peer-review; Journal article – Annual report year: 1995

Accurate finite difference beam propagation method for complex integrated optical structures
Research output: Research - peer-review; Journal article – Annual report year: 1993

Detailed comparison of two approximate methods for the solution of the scalar wave equation for a rectangular optical waveguide
Research output: Research - peer-review; Journal article – Annual report year: 1993

Long distance transmission through distributed erbium-doped fibers
Research output: Research - peer-review; Journal article – Annual report year: 1993

Noise in distributed erbium-doped fibers
Research output: Research - peer-review; Journal article – Annual report year: 1993

Quantum limited noise figure operation of high gain erbium doped fiber amplifiers
Research output: Research - peer-review; Journal article – Annual report year: 1993

Fundamental design of a distributed erbium-doped fiber amplifier for long-distance transmission
Research output: Research - peer-review; Journal article – Annual report year: 1992

Optimum design of Nd-doped fiber optical amplifiers
Research output: Research - peer-review; Journal article – Annual report year: 1992

Optimum position of isolators within erbium-doped fibers
Research output: Research - peer-review; Journal article – Annual report year: 1992

Optimum signal wavelength for a distributed erbium-doped fiber amplifier
Research output: Research - peer-review; Journal article – Annual report year: 1992

Stability of a 500 km erbium-doped fiber amplifier cascade
Research output: Research - peer-review; Journal article – Annual report year: 1992

Detailed design analysis of erbium-doped fiber amplifiers
Research output: Research - peer-review; Journal article – Annual report year: 1991

The design of erbium-doped fiber amplifiers
Research output: Research - peer-review; Journal article – Annual report year: 1991

Detailed theoretical and experimental investigation of high-gain erbium-doped fiber amplifier
Research output: Research - peer-review; Journal article – Annual report year: 1990

Experimental verification of microbending theory using mode coupling to discrete cladding modes
Research output: Research - peer-review; Journal article – Annual report year: 1989

Projects:
Relational Database Systems - Formalization and Realization.
Project: PhD

Fotoniske krystalfibre af båndgabstypen
Project: PhD

Dæmpning i fotoniske krystalfibre
Project: PhD

Ulinære effekter i fotoniske krystalfibre
Project: PhD

Modellering og udvikling af fotoniske krystal bølgeledere
Project: PhD

Bølgeledning i avancerede optiske strukturer
Project: PhD

Optisk kohærenstomografi med ultrahøj opløsning til non-invasiv medicinsk diagnostik
Project: PhD

Optiske pakkekobledes netværk
Project: PhD

Sjælden jordart dotering i integreret optik
Project: PhD

Dispersionskompensserende optiske fibre, samt undersøgelse af dæmpnings og indeksvariationer som følge af defekter og Ge-dotring
Project: PhD

Active Photonic Crystal Fibres for High Power Applications
Project: PhD

Dispersionskompensserende fotoniske krystalfibre
Project: PhD

Novel Fibre-ring Laser System Based on Frequency Chriping for Optical Coherence Tomography (OCT)
Project: PhD

UV writing of advanced Bragg gratings in planar wavaguides
Project: PhD

Erbium:Ytterbium Codoped Planar Waveguide Lasers
Project: PhD

Integration af gitter i passive og
Project: PhD

Dynamic Photonic Bandgap Waveguides
Project: PhD
Nonlinear Photonic Crystals
Project: PhD

Nonlinear dynamics of optical polymers
Project: PhD

Optical Frequency Domain Reflectometry for Distributed Thermal Sensing
Project: PhD

Integrreret optisk detektion til miniature kemisk analysesystem
Project: PhD

Vektoriel modelleding af diffraktive strukturer
Project: PhD

Fler-dimensionale periodiske strukturer
Project: PhD

Modeller for vekselvirkning mellem lys og stof i aktive optiske strukturer
Project: PhD

Biomedicinsk optik og noninvasiv diagnostik
Project: PhD

Refining the Properties of Hollow Core Fibres
Project: PhD

Integration of liquid crystal photonic bandgap fiber devices on silicon structures
Project: PhD

Biomedical Applications of Photonic Crystal Fibres
Project: PhD

Fotoniske Krystal Fibre i Nye Materialer
Project: PhD

Optiske Fibre med stor Indekskontrast
Project: PhD

Gain dynamics in quantum dot structures
Project: PhD

Intra-Cellular Optical Fiber Nanocensors and Probes
Project: PhD

Liquid Crystal Materials for Advanced Fiber-Optic Components
Project: PhD

European Network of Excellence on Photonic Integrated Components and Circuits
Project: Research
Biomedical sensors
Project: Research

Optically Active Materials in Fibers and Silica-on-Silicon Integrated Photonics Circuits
Project: Research

THOR, FORMULA
Project: Research

Hybrid fiber lighting - directed towards a smaller ecological footprint
Project: Research

Bio-photonics new laser for diagnostics and
Project: Research

Center for Optiske Sensorer
Project: Research

Fotoniske Båndgapsfibre
Project: Research

VKR prisen
Project: Research

Lambda Crossing
Project: Research

FORMULA (A THOR frame program)
Project: Research

Planar photonic bandgap waveguides
Project: Research

Activities:

Microwave and Photonic Materials: ... the DTU perspective
Activity: Talks and presentations › Conference presentations

Press clippings:

Computerworld online: DTU: Sådan ser teknologien ud om 25 år
Press/Media: Press / Media