

Laboratory of Nonlinear and Fiber optics
Institute of electronics,
Bulgarian Academy of Sciences
72, Tzarigradsko shoussee, 1784 Sofia



Web page:

www.ie-bas.dir.bg/Departments/Fiberopt.htm

Contact: Assoc. Prof. Lyubomir Kovachev

Phone: 359885855431

Fax: <Fax>

E-Mail: lubomirkovach@yahoo.com

Research Topics:

Linear regime of propagation of laser pulses in air
Nonlinear regime of propagation of laser pulses
Filamentation in air
Generation of GHz radiation from single filament in air
Generation of THz radiation from single filament in silica
Parametric solitons in fibers and free space
Interaction and exchange of energy between filaments
Ionization-free filamentation
Pulse propagation in Heisenberg-Euler nonlinear vacuum
Nonlinear field theory

Comments :

Staff: 5 members

Assoc. Prof. Lyubomir Milchev Kovachev - Head

Assoc. Prof. Luben Muhov Ivanov

Assist. Prof. PhD Kamen Kovachev

PhD student Aneliya Dakova

PhD student Valeri Slavchev

Department of Communications
Equipment & Technologies,
Technical University, Gabrovo



H.Dimitar Str. 4, TU-Gabrovo, dep.:KTT
5300 Gabrovo,
Bulgaria

Web page:

<http://www.tugab.bg/en/faceen/katkt>

Contact: Assoc. Prof. Nikolay Dimitrov Tashkov, Ph.D

Phone:+359 (0)66 827 202

Fax: <Fax>

E-Mail: tashkov@yahoo.com

Research Topics:

Mobile Propagation

Satellite Propagation

Ionospheric Propagation

Digital Video Broadcasting

Free-Space Optical Propagation

Comments :

Department Staff

Assoc. Prof. Kiril Radev Koychev, Ph.D., e-mail: kiril_r@mail.tu-

Assoc. Prof. Pencho Kolev Penchev, Ph.D, e-mail: pkpen@tu-

Assoc. Prof. Stanimir Mihailov Sadinov, Ph.D., e-mail: murry@tu-

Chief Assist.Prof. Ivelina Stefanova Balabanova, Ph.D., e-mai-

Chief Assist.Prof. Ilia Veselinov Nedelchev, Ph.D., e-mail:ilne-

Assoc. Prof. Boyan Dimitrov Karapenev, Ph.D., e-mail:bkara@tu-

Chief Assist.Prof. Natalia Atanasova Varbanova, Ph.D, e-mail:

Assist. Prof. Miroslav Stoyanov Slavov – PhD student, e-mail:

Assist. Prof. Krasen Kirov Angelov, e-mail: kkangelov@mail.tu-

Antennas and Microwaves



Technical University of Sofia; RCVT,
Kl. Ohridsky Blv 8; 1756 Sofia; BULGARIA

Web page:

http://rcvt.tu-sofia.bg/labs_en.html

Assoc. Prof. Peter Petkov, PhD

+359-2-965-2870

pjpetkov@tu-sofia.bg

Research Topics:

Antennas and Antenna arrays

Satellite communications

Microwave systems and electronics

Radioastronomy

Mobile Communications

Free Space Optics

Propagation

EMC

Comments :