Conferences

1970

1. **V Soviet Union Conference on Nonlinear Optics, Kishinev, 10 - 15 November.**
   V.P.Kluev, D.I.Mash, V.V.Morozov, D.N.Nikogosyan, A.N.Oraevsky:
   "Detection of infrared radiation by optical mixing." Abstracts of Papers, p.129.

1971

2. **XVII Soviet Union Congress on Spectroscopy, Minsk, 5 - 9 July.**
   E.N.Antonov, M.A.Bolshov, V.G.Koloshnikov, D.N.Nikogosyan:
   "The use of nonlinear conversion of IR radiation to the visible range for the absorption spectrophotometry."

1972

3. **VI Soviet Union Conference on Nonlinear Optics, Minsk, 27 June - 1 July.**
   E.N.Antonov, M.A.Bolshov, V.G.Koloshnikov, D.N.Nikogosyan:
   "Spectroscopy of near IR range radiation using the methods of nonlinear optics." Abstracts of Papers, pp.64-65.

1973

4. **II International Conference on Lasers and their Applications, Dresden, GDR, 4 - 9 June.**
5. **Siberian Symposium on Laser Spectroscopy, Krasnoyarsk, 25 - 28 September.**
   E.N.Antonov, V.G.Koloshnikov, V.R.Mironenko, D.N.Nikogosyan:
   "Continuous-wave dye laser pumped by argon ion laser." Abstracts of Papers, p.96.

1974

6. **VII Soviet Union Conference on Nonlinear Optics, Tashkent, 4 - 9 June.**
7. **Fourth International Congress on Laser Spectroscopy, Brunswick, Maine, USA, 25 - 29 August.**
   A.V.Bobrov, D.N.Nikogosyan:
   "The method of registration of Raman spectra in IR range." Abstracts of Papers, p.27.

1975

8. **IV Vavilov Conference on Nonlinear Optics, Novosibirsk, 12 - 14 June.**
9. **II Soviet Union Symposium on Gas Laser Physics, Novosibirsk, 16 - 18 June.**
10. **IV Seminar on Chemistry and Technical Applications of Chalcogenides, Uzhgorod, 19 - 21 September.**
    P.G.Kryukov, V.S.Letokhov, D.N.Nikogosyan: "The application of a proustite crystal in nonlinear optics."

1976

11. **VII Conference on Quantum Electronics and Nonlinear Optics, Poznan, Poland, 26 - 29 April.**
    P.G.Kryukov, V.V.Lobko, Yu.A.Matveets, D.N.Nikogosyan: "Recording of fast IR processes by nonlinear frequency conversion to the visible range." Abstracts of Papers, p.233.

1977

12. **First Soviet Union School "Laser Applications in Biology", Dushanbe, 3 - 8 October.**

1978

13. **First International Conference on Picosecond Phenomena, Hilton Head, South Carolina, USA, 24 - 26 May.**
    P.G.Kryukov, V.S.Letokhov, Yu.A.Matveets, D.N.Nikogosyan, A.V.Sharkov: "Picosecond research of some biomolecules (bacteriorhodopsin, bacteriochlorophyll and bases of DNA)." Proceedings of Conference, pp.158-166.
14. **IX Soviet Union Conference on Coherent and Nonlinear Optics, Leningrad, 13 – 18 June.**
    P.G.Kryukov, V.S.Letokhov, Yu.A.Matveets, D.N.Nikogosyan, A.V.Sharkov: "Selective two-step excitation of electronic state of organic molecule in condensed phase by ultrashort IR and visible light pulses." Abstracts of Papers, Part II, p.13.
15. **First Soviet Union School "Laser Applications in Atomic, Molecular and Nuclear Physics", Vilnius, 21 - 31 August.**

16. International Symposium "Ultrafast Phenomena in Spectroscopy", Tallin, 27 September - 1 October.
D.N.Nikogosyan, A.V.Borodavkin, N.A.Simukova:
"Two-step photodissociation of nucleic acid constituents in aqueous solution under action of ultrashort UV pulses" Proceedings of Symposium, pp.188-195.

1979

17. IV International Conference on Laser Spectroscopy, Rottach-Egern, West Germany, 11 - 15 June.
18. VI Vavilov Conference on Nonlinear Optics, Novosibirsk, 20 - 22 June.
19. Europhysics Conference "Lasers in Photomedicine and Photobiology", Florence, Italy, 3 - 5 September.
D.A.Angelov, P.G.Kryukov, V.S.Letokhov, D.N.Nikogosyan, A.A.Oraevsky:
"Selective action on nucleic acid components by picosecond light pulses." Proceedings of Conference, pp.207-215.
20. CNR Conference "Lasers in Biomedecine and Surgery", Florence, Italy, 6 - 7 September.
21. II Soviet Union Conference "Applications of Laser Methods in Biology and Medicine", Kiev, 24 - 26 September.
P.G.Kryukov, V.S.Letokhov, D.N.Nikogosyan, D.A.Angelov:
"Selective action of ultrashort laser UV pulses on nucleic acid components." Proceedings of Conference, p.155.
22. II Seminar "Laser Radiation and Spectroscopy of Biomolecules", Troitzk, 21 - 22 November.

1980

23. II Soviet Union Conference "Optics of Lasers", Leningrad, 4 - 8 January.
D.A.Angelov, P.G.Kryukov, V.S.Letokhov, D.N.Nikogosyan, A.A.Oraevsky:
"Selective action on nucleic acid components by picosecond light pulses." Abstracts of Conference, p.275.
24. Seminar "Photochemistry of Organic Molecules and Model Biological Systems", Leningrad, 22 May.
D.A.Angelov, P.G.Kryukov, V.S.Letokhov, D.N.Nikogosyan, A.A.Oraevsky:
"Determination of parameters of short-living excited states of nucleic acid

bases."

D.A.Angelov, D.N.Nikogosyan, A.A.Oraevsky:

"Mechanism of two-step photodecomposition of nucleic acid components in water solution."

25. **II International Conference on Picosecond Phenomena, North Falmouth, Cape Cod, Massachusetts, USA, 18 -20 June.**

    D.A.Angelov, G.G.Gurzadyan, P.G.Kryukov, V.S.Letokhov, D.N.Nikogosyan, A.A.Oraevsky:

    "High power UV ultrashort laser action on DNA and its components."

    Proceedings of Conference, pp.336-339.

26. **II International Symposium "Ultrafast Phenomena in Spectroscopy", Reinhardsbrunn, GDR, 30 October - 5 November.**

    D.A.Angelov, P.G.Kryukov, V.S.Letokhov, D.N.Nikogosyan, A.A.Oraevsky:

    "Picosecond photochemical research of short-living excited states of nucleic acid bases."

    Abstracts of Papers, p.M6, Proceedings of Conference, pp.338-346.

27. **II Soviet Union Conference "Laser Applications in Biology", Tbilisi, 24 - 29 November.**

    D.N.Nikogosyan: "Action of powerful laser UV radiation on DNA and its components." Proceedings of Conference, pp.74-77.

1981

28. **Seminar "Photochemistry of Organic Molecules and Model Biological Systems", Leningrad, 14 May.**

    D.N.Nikogosyan, A.A.Oraevsky, A.V.Sharkov:

    "Picosecond research of singlet excited states of nucleic acid components."

    D.A.Angelov, D.N.Nikogosyan, A.A.Oraevsky:

    "Determination of excited states parameters of nucleic acid bases by pico- and nanosecond laser photolysis."

29. **VII Vavilov Conference on Nonlinear Optics, Novosibirsk, 22 - 25 June.**

    G.G.Gurzadyan, G.B.Zavilgelsky, P.G.Kryukov, D.N.Nikogosyan:

    "Mechanism of action of powerful laser UV radiation on plasmid DNA."

    Proceedings of Conference, Part II, pp.173-179.

    D.N.Nikogosyan, D.A.Angelov, A.A.Oraevsky:

"Determination of excited states parameters of DNA and RNA bases by laser UV photolysis." Proceedings of Conference, Part II, pp.180-184.

D.N.Nikogosyan, A.A.Oraevsky, A.V.Sharkov:

"Picosecond investigation of excited electronic states parameters of nucleic acid components." Proceedings of Conference, Part II, pp.185-189.

30. **II Soviet Union School "Laser Applications in Atomic, Molecular and Nuclear Physics", Vilnius, 29 June - 7 July.**

    D.N.Nikogosyan: "Picosecond Research of Excited Singlet States of Nucleic Acid Base Molecules." Proceedings of School, pp.142-154.

31. **IV International Conference on Lasers and their Applications, Leipzig, GDR, 19 - 23 October.**

    D.A.Angelov, P.G.Kryukov, D.N.Nikogosyan, A.A.Oraevsky:

    "Two-step laser UV photolysis of nucleic acid bases in aqueous solution." Abstracts of Papers, p.55.

1982

32. **Meeting "Action of Low-Intensity Laser Light on Biological Objects and Applications in Medicine", Pushchino, 31 May - 1 June.**
33. **First Soviet Union Congress on Biophysics, Moscow.**

    T.S.Balmukhanov, G.G.Gurzadyan, G.B.Zavilgelsky, D.N.Nikogosyan:

    "DNA structure modifications induced by laser UV radiation." Abstracts of Papers, p.290.

34. **XI Soviet Union Conference on Coherent and Nonlinear Optics, Yerevan, 22 - 25 November.**

    D.N.Nikogosyan, A.A.Oraevsky, V.I.Rupasov:

    "Two-photon ionization and dissociation of liquid water by laser UV radiation." Abstracts of Papers, pp.683-684.

    D.N.Nikogosyan, G.G.Gurzadyan:

    "Nonlinear photoprocesses in DNA under high-intensity laser UV irradiation." Abstracts of Papers, pp.704-705.

35. **III Soviet Union Symposium on Laser Chemistry, Zvenigorod, 29 November - 2 December.**

    D.N.Nikogosyan: "Nonlinear laser photochemistry of biopolymers." Abstracts of Papers, pp.78-79.

D.N.Nikogosyan, A.A.Oraevsky: "Dissociation and ionization of water by intense laser UV radiation and consequent photolysis of nucleic acids in aqueous solution." Abstracts of Papers, pp.80-81.

1983

36. XVI European Congress on Molecular Spectroscopy, Sofia, Bulgaria, 12 - 16 September.
D.A.Angelov, D.N.Nikogosyan, A.A.Oraevsky:
"Laser-induced two-quantum photolysis of nucleic acids components in water solution." Abstracts of Papers, p.240.

37. III Soviet Union Meeting "Laser Applications in Biology", Krasnovidovo, 17 - 21 October.
D.N.Nikogosyan:
"Nonlinear photophysics of nucleic acids." Proceedings of Conference, pp.30-34.

1984

38. Soviet Union Conference "Molecular Mechanisms of Biological Action of Optical Radiation", Yalta, 24 - 26 April.
D.N.Nikogosyan:
"Physical Principles of Nonlinear Laser Photobiology." Proceedings of Conference, pp.70-78.

39. International Symposium on Fast Reactions in Biological Systems, Kyoto, Japan, 3 - 6 September.
D.N.Nikogosyan, A.A.Oraevsky:
"Picosecond spectroscopy of short-lived intermediates in nucleic acids under powerful laser UV irradiation." Abstracts of Papers, pp.26-30.

40. Session of USSR Academy of Science Scientific Committee "Coherent and Nonlinear Optics", Kishinev, 3 - 4 December.
D.N.Nikogosyan, V.S.Letokhov:
"Nonlinear laser photophysics, photochemistry and photobiology of nucleic acids."

1985

41. **V Soviet Union Meeting on Photochemistry, Suzdal, 19 - 21 February.**
    D.N.Nikogosyan, A.A.Oraevsky:
    "Picosecond laser photolysis of thymine in aqueous solution: primary processes." Abstracts of Papers, Part I, p.10.
42. **Seminar "Photochemistry of Organic Molecules and Model Biological Systems", Leningrad, 23 May.**
    D.N.Nikogosyan, A.A.Oraevsky:
    "Primary processes at two-quantum UV excitation of nucleic acids and their components in water solution."
43. **Colloque Internationale CNRS, Aussois, France, 10 - 14 June.**
    D.N.Nikogosyan:
    "Sensitized decomposition of liquid water due to picosecond two-step UV excitation of dissolved molecules." Abstracts of Papers, pp.99-100.
44. **XII Soviet Union Conference on Coherent and Nonlinear Optics, Moscow, 26 - 29 August.**
    V.S.Letokhov, D.N.Nikogosyan, A.A.Oraevsky:
    "Two-quantum laser UV photolysis of nucleic acid components by sensitized decomposition of water." Abstracts of papers, pp.149-150 (or pp.157-158).
    A.A.Kozlov, V.S.Letokhov, V.V.Lobko, Yu.A.Matveets, D.N.Nikogosyan:
    Photooxydation of thymine sensitized by hematoporphyrine and its derivative under two-step laser excitation of dissolved molecules." Abstracts of Papers, pp.169-170 (or pp.173-174).
45. **VII Soviet-West German Seminar on Laser Spectroscopy, Moscow, Baku, 2 - 7 September.**
46. **IV International Symposium "Ultrafast Phenomena in Spectroscopy", Reinhardsbrunn, GDR, 23 - 26 October.**
    D.N.Nikogosyan, A.A.Oraevsky:
    "Picosecond two-quantum UV photochemical processes in aqueous solutions of thymine." Abstracts of Papers, p.F7.
    D.N.Nikogosyan, A.A.Oraevsky:
    "Two-quantum picosecond excitation of polynucleotides and electronic energy transfer." Abstracts of Papers, p.PF46.
    D.N.Nikogosyan, A.A.Oraevsky:
    "Sensitized decomposition of liquid water due to picosecond two-step UV

excitation of dissolved biomolecules." Proceedings of Symposium, pp.275-276.

47. Seminar "Laser Spectroscopy and Laser Action on Biological Objects", Moscow State University, Moscow.

1986

48. Seminar "Photochemistry of Organic Molecules and Model Biological Systems", Leningrad, 10 June.

R.O.Esenaliev, D.N.Nikogosyan, A.A.Oraevsky, I.G.Panyutin, G.B.Zavilgelsky: "Quantum yields of single-quantum and two-quantum photochemical reactions in dinucleoside-monophosphate dTpdT and DNA under high-intensity picosecond UV irradiation."

49. IV International School "Laser Applications in Biology", Kishinev, 2 - 6 October.

E.N.Dobrov, Z.Kh.Arbieva, R.O.Esenaliev, D.N.Nikogosyan: "Comparative investigation of inactivation of TMV RNA ability to self-assemble with the virus protein under low- and high-intensity irradiation." Abstracts of Papers, p.65.

R.O.Esenaliev, P.G.Morev, A.A.Oraevsky, D.N.Nikogosyan, I.G.Panyutin, G.B.Zavilgelsky: "Primary photochemical processes under picosecond UV inactivation of bacteriophages and bacteria." Abstracts of Papers, p.74.

G.B.Zavilgelsky, D.N.Nikogosyan: "Action of laser UV radiation on viruses and cells." Abstracts of Papers, pp.82-83.

P.G.Morev, A.A.Oraevsky, V.V.Lobko, D.N.Nikogosyan: "Energy transfer from highly-excited molecule to solvent." Abstracts of Papers, p.125.

1988

50. Seminar "Photochemistry of Organic Molecules and Model Biological Systems", Leningrad, 25 May.

D.N.Nikogosyan, E.V.Khoroshilova: "Asymmetric two-quantum UV photolysis of DL-tyrosine."

51. XIII International Conference on Coherent and Nonlinear Optics, Minsk, 6 - 9 September.

D.N.Nikogosyan, E.V.Khoroshilova:

"Accumulation of L-Tyr molecules under two-step UV photolysis of DL-tyrosine In aqueous solution." Abstracts of Papers, Part I, pp.259-260.

O.A.Tiflova, T.J.Karu, N.P.Furzikov, D.N.Nikogosyan:

"Investigation of lethal and mutagenic action of picosecond 532 nm and nanosecond 308 nm laser pulses." Abstracts of Papers, Part I, pp.419-420.

1989

52. Meeting "Progress in Research of Efficient Nonlinear Optical Materials", Moscow State University, Moscow.

53. II Soviet Union Seminar "Laser Biophysics and New Applications of Lasers in Medicine",Tartu, Kyaeriku, 29 - 31 May.

D.N.Nikogosyan:

"Action of high-intensity laser UV radiation on viruses and bacterial plasmids."

54. III Congress of the European Society for Photobiology, Budapest, Hungary, 27 August - 2 September.

D.N.Nikogosyan:

"Picosecond laser UV inactivation of λ bacteriophage and various *Escherichia coli* strains." Proceedings of Congress, pp.517-521.

55. International Conference "Lasers and Medicine", Tashkent, 10 - 13 October.

D.N.Nikogosyan:

"Mechanisms of action of high-intensity UV laser radiation on nucleic acids." Abstracts of Papers, Part 1, p.50.

D.N.Nikogosyan, Yu.A.Repeyev, E.V.Khoroshilova:

"High-intensity laser photolysis of aromatic amino acids and related peptides." Abstracts of Papers, Part 1, p.51.

1990

56. VI Soviet Union Conference "Optics of Lasers", Leningrad, 2 - 7 March.

D.N.Nikogosyan:

"Asymmetric photolysis of biomolecules under high-intensity laser UV irradiation." Abstracts of Papers, p.455.

57. Seminar "Photochemistry of Organic Molecules and Model Biological Systems", Leningrad, 23 May.

D.N.Nikogosyan, Yu.A.Repeyev, E.V.Khoroshilova:

"Asymmetric two-quantum UV photolysis of DL-tyrosine and 7-

dehydrocholesterol at high-intensity laser irradiation."
D.N.Nikogosyan, Yu.A.Repeyev, E.V.Khoroshilova:
"UV photolysis of aromatic amino acids and related peptides."

58. V International School "Laser Applications in Atomic, Molecular and Nuclear Physics", Vilnius, Lithuania, 19 - 25 August.
D.N.Nikogosyan:
"Asymmetric photolysis of biomolecules under high-intensity UV laser irradiation."

59. III International Conference "Laser Applications in Life Sciences", Moscow, 27 - 31 August.
D.N.Nikogosyan, Yu.A.Repeyev, E.V.Khoroshilova, I.V.Kryukov, E.V.Khoroshilov, A.V.Sharkov:
"Asymmetric photolysis of biomolecules under high-intensity UV laser irradiation." Abstracts of Papers, Part I, p.49.

1991

60. XV International Conference on Photochemistry, Paris, France, 28 July - 2 August.
D.N.Nikogosyan:
"Laser photochemistry of water and nucleic acid components." Abstracts of Papers, pp.095-098.

61. IV Congress of the European Society for Photobiology, Amsterdam, The Netherlands, 1 - 6 September.
D.N.Nikogosyan:
"Laser photolysis of amino acids and peptides." Abstracts of Papers, p.138.

62. Miller Conference, Giens, France, 16 - 20 September.
D.N.Nikogosyan:
"Photochemistry of biomolecules under high intensity circularly polarized UV light."

63. VII International Symposium "Ultrafast Processes in Spectroscopy", Bayreuth, Germany, 7 - 10 October.
E.A.Vinogradov, A.V.Zayats, D.N.Nikogosyan, Yu.A.Repeyev:
"Hot luminescence and nonlinear effects in shortperiod superlattices under

picosecond excitation." Proceedings of Symposium, pp.375-378.

1992

64. XXI FEBS Annual Meeting, Trinity College, Dublin, Ireland, 9 - 14 August.
D.N.Nikogosyan:
"DNA inactivation by high-intensity laser UV light." Abstracts of Papers, Paper Tu-55S.

65. IV International Conference "Laser Applications in Life Sciences", Juvaskyla, Finland, 7 - 11 September.
D.N.Nikogosyan:
"Laser photochemistry of amino acids and peptides." Abstracts of Papers, p.74.

1993

66. Symposium "Multiphoton Photochemistry in Biological Systems", University of British Columbia, Vancouver, Canada, 31 July - 1 August.

67. XVI International Conference on Photochemistry, University of British Columbia, Vancouver, Canada, 1 - 6 August.
D.N.Nikogosyan, Yu.A.Repeyev, D.Yu.Yakovlev, V.I.Salyanov, S.G.Skuridin, Yu.M.Yevdokimov:
"Photochemical alterations in DNA revealed by DNA-based liquid crystals." Abstracts of Papers, p.499.

68. V Congress of the European Society for Photobiology, Philipps-University, Marburg, Germany, 19 - 23 September.
D.N.Nikogosyan, Yu.A.Repeyev, D.Yu.Yakovlev, V.I.Salyanov, S.G.Skuridin, Yu.M.Yevdokimov:
"Photolesions in DNA revealed by DNA-based liquid crystals." Abstracts of Papers, p.248.

1994

69. Colloque "Nouveaux Horizons en Photobiologie", Paris, France, 5 - 7 December.
D.N.Nikogosyan, A.Reuther, A.Laubereau:
"Direct measurement of S_1 state lifetime of thymine by femtosecond UV laser spectroscopy." Abstracts of Papers, p.21.

1995

70. Third International Aalborg Summer School on Nonlinear Optics, Aalborg, Denmark, 7 – 12 August.
Yu.A.Repeyev, D.N.Nikogosyan:
"Two-photon absorption in fused silica and in liquid water at 212.8 nm." Proceedings of Summer School, pp.649-654.

71. Femtochemistry: The Lausanne Conference, Lausanne, Switzerland, 4 - 8 September.
D.N.Nikogosyan, A.Reuther, A.Laubereau:
"Primary photochemical processes in thymine in concentrated aqueous solution studied by femtosecond UV spectroscopy." Proceedings of Conference, pp.558-565.

1996

72. XVI IUPAC Symposium on Photochemistry, Helsinki, Finland, 21 - 26 July.
D.N.Nikogosyan, A.Reuther, A.Laubereau:
"Primary photochemical processes in thymine in concentrated aqueous solution studied by femtosecond UV spectroscopy." Abstracts of Papers, p.86.
I.P.Terenetskaya, D.N.Nikogosyan, Yu.A.Repeyev, L.Lindqvist:
"Laser initiation of provitamin D photoisomerization: new effects under picosecond and nanosecond irradiation." Abstracts of Papers, p.552.

73. XII International Congress of Photobiology, Vienna, Austria, 1 - 6 September.
A.Reuther, D.N.Nikogosyan, A.Laubereau:
"Primary photochemical processes in thymine in concentrated aqueous solution studied by femtosecond UV spectroscopy." Abstracts of Papers, p.235.
L.Lindqvist, D.N.Nikogosyan, Yu.A.Repeyev, I.P.Terenetskaya:
"Features of provitamin D photoisomerization under picosecond and nanosecond irradiation." Abstracts of Papers, p.241.

74. 166 WE-Heraeus-Seminar "Multiphoton Photochemistry in Biological Systems." Physikzentrum, Bad Honnef, Germany, 28 - 30 October.
D.N.Nikogosyan, A.Reuther, A.Laubereau:
"Primary photochemical processes in thymine in concentrated aqueous solution studied by femtosecond UV spectroscopy."

1997.

75. Russian-German Laser Symposium, Novosibirsk, Russia, 27 June - 1 July.
E.V.Khoroshilova, Yu.A.Repeyev, D.N.Nikogosyan:
"Laser photolysis of aliphatic amino acids and peptides in the aqueous solutions as a result of two-quantum excitation of the solvent at λ = 266 nm."
Technical Digest, p.P5.

1998.

76. 17th IUPAC Symposium on Photochemistry, Sitges (Barcelona), Spain, 19 - 24 July.
D.N.Nikogosyan, H.Görner:
"Towards laser photochemistry of human cornea: evaluation of main photochemical target in collagen." Book of Abstracts, p.332.

77. CLEO/EUROPE'98, Glasgow, Scotland, United Kigdom, 14-18 September.
P.M.W.Skovgaard, R.J.Mullane, D.N.Nikogosyan, J.G.McInerney:
"Two-photon photoconductivity in semiconductor waveguide autocorrelator."
Technical Digest, p.104.
D.N.Nikogosyan, H.Görner:
"Excimer laser surgery of cornea: evaluation of main photochemical target in collagen." Technical Digest, p.341.

2000.

78. 2000 International Quantum Electronics Conference, Nice, France, 10-15 September.
M.Mulcahy, J.G.McInerney, D.N.Nikogosyan, H.Görner:
"Model studies of photorefractive keratectomy: laser photolysis of selected dipeptides."
Conference Digest, p.162.

2001.

79. Scientific Workshop on Ultrafast Nonlinear Optics and Semiconductor Lasers, University College Cork, Ireland, 5-8 September.
A.Dragomir, J.G.McInerney, D.N.Nikogosyan:

"Femtosecond measurement of two-photon absorption at λ = 264 nm in liquids, glasses and crystals."

2002.

80. RSC Half Day Symposium on Photochemistry, School of Chemistry, Dublin Institute of Technology, Dublin, Ireland, 24 May.
D.N.Nikogosyan:
"Femtosecond measurements of two-photon absorption coefficient at λ = 264 nm in glasses, crystals and liquids."

81. Conference on Lasers, Applications and Technology, Moscow, Russia, 22-27 June.
A.Dragomir, D.N.Nikogosyan, A.A.Ruth, K.A.Zagorulko, P.G.Kryukov:
"Long-period fibre grating formation with 264 nm femtosecond radiation."
LAT 2002 Technical Digest, paper LWK6, p.198.

82. XIXth IUPAC Symposium on Photochemistry, Budapest, Hungary, 14-19 July.
A.Dragomir, D.N.Nikogosyan:
"Two-photon photochemistry of Ge-doped fused silica telecommunication fibres." Book of Abstracts, pp.198-199.

83. Opto Ireland, SPIE Regional Meeting on Optoelectronics, Photonics, and Imaging, Galway, Ireland, 5-6 September.
D.N.Nikogosyan, A.Dragomir, A.A.Ruth, K.A.Zagorulko, P.G.Kryukov:
"Long-period fibre grating formation with 264 nm femtosecond radiation."
Technical Program, paper 4876-54, p.37.
D.N.Nikogosyan, A.Dragomir, J.G.McInerney:
"Femtosecond measurements of two-photon coefficients at λ = 264 nm in glasses, crystals, and liquids."
Technical Program, paper 4876-206, p.73.

84. Symposium "Nano and Giga Challenges in Microelectronics. Research and Opportunities in Russia", Moscow, Russia, 10-13 September.
P.G.Kryukov, Yu.V.Larionov, A.A.Rybaltovskii, K.A.Zagorul'ko, A.Dragomir, D.N.Nikogosyan, A.A.Ruth:
"Long-period fiber gratings fabrication with femtosecond pulse radiation at different wavelengths."
Book of Abstracts, pp. 258-259.

2003

85. Conference CLEO/Europe 2003, Munich, Germany, 23-27 June.
A.Dragomir, D.N. Nikogosyan, K.A.Zagorulko, P.G.Kryukov:
"Femtosecond UV approach to inscription of long-period fibre gratings."
Technical Digest, paper CL6T

86. Photonics Workshop, NMRC, Cork, Ireland, 2 July.
D.N. Nikogosyan:
"Inscription of fibre Bragg gratings by ultraviolet femtosecond irradiation."

2004

87. Conference CLEO/IQEC 2004, San-Francisco, USA, 16-21 May.
D.N. Nikogosyan:
"Inscription of fiber Bragg gratings by high-intensity 264 nm femtosecond radiation." Technical Digest, paper CThM1

88. Conference "Emerging Technologies in Optical Sciences", Cork, Ireland, 26-29 July.
D.N. Nikogosyan:
"Inscription of fibre Bragg and long-period gratings by high-intensity femtosecond UV light."

2005

89. Conference Opto Ireland, Dublin, Ireland, 4-6 April.
D.N. Nikogosyan, S.A. Slattery:
"High-intensity UV laser inscription of fiber Bragg gratings and comparison with other fabrication techniques."
Technical Programme, paper 5827A-22
D.N. Nikogosyan, A.I. Kalachev:
"Investigation of long-period fibre gratings inscribed by high-intensity femtosecond UV laser light."
Technical Programme, paper 5827A-30

90. International Conference on Lasers, Applications, and Technologies LAT 2005, St. Petersburg, Russia, 11-15 May, 2005.
A.I. Kalachev, D.N. Nikogosyan:

"High-intensity UV laser inscription of long-period fibre gratings."
Technical Digest, paper LFA1

91. 17th International Conference on Optical Fibre Sensors OFS-17, Bruges, Belgium, 23-27 May.
A.I. Kalachev, V.Pureur, S.A. Slattery, D.N. Nikogosyan:
"Investigation of long-period fibre gratings recorded by high-intensity femtosecond UV laser pulses."
Technical Programme, paper 5855-79

92. Conference CLEO/Europe 2005, Munich, Germany, 12-17 June.
S.A. Slattery, D.N. Nikogosyan, N. Plougmann, H.R. Sørensen, M. Kristensen:
"Efficient Bragg grating fabrication in germanium-rich fibre by high-intensity femtosecond 264 nm irradiation."
Advance Programme, paper CJ-6-Wed
A.I. Kalachev, D.N. Nikogosyan, G. Brambilla:
"Inscription of long-period fibre gratings by high-intensity femtosecond radiation at 211 nm."
Advance Programme, paper CJ-7-Wed
S.A. Slattery, D.N. Nikogosyan, C. Corbari, P.G. Kazansky:
"UV poling of pure fused silica by high-intensity femtosecond radiation."
Postdeadline Papers, paper CP2-1-Thu

93. 31 European Conference on Optical Communications ECOC 2005, Glasgow, UK, 25-29 September.
C. Corbari, P.G. Kazansky, S.A. Slattery, D.N. Nikogosyan:
"UV poling of pure fused silica by high-intensity femtosecond radiation."
Technical Programme, paper Tu 4.6.3
M. Dubov, I. Bennion, S.A. Slattery, D.N. Nikogosyan:
"30 dB long-period fibre grating inscription by high-intensity femtosecond 352 nm laser pulses."
Technical Programme, paper We 4.056

2006.

94. Photonics Europe Conference, Strasbourg, France, 3-7 April.
S.A. Slattery, D.N. Nikogosyan, C. Caucheteur, A. Fotiadi, P. Mégret:
"Polarization properties of long-period gratings prepared by high-intensity

femtosecond 352 nm pulses."

Technical Programme, paper 6187-07

95. 32nd European Conference on Optical Communications, Cannes, France, 24-28 September.

G. Brambilla, P.S.J. Russell, A. Fotiadi, S.A. Slattery, T. Ernst, D.N. Nikogosyan: "Two-photon photochemical long-period grating fabrication in hydrogenated photonic crystal fiber."

Proceedings of ECOC'06 conference, vol.3, paper We3.P.27, pp.175-176

2007.

96. SPIE Europe Optics and Optoelectronics Conference, Prague, Czech Republic, 16-19 April.

C. Caucheteur, A.A. Fotiadi, P. Megret, G. Brambilla, S.A. Slattery, D.N. Nikogosyan:

"Wavelength dependent polarization properties of a long-period grating inscribed in a pure-fused-silica photonic crystal fiber."

Technical Programme, paper 6588-16

97. Conference CLEO/QELS 2007, Baltimore, USA, 6-11 May.

G. Brambilla, A. Fotiadi, S. Slattery, D. Nikogosyan:

"Two-photon long-period grating inscription in pure-fused-silica photonic crystal fiber." Technical Digest, paper CThKK2

98. Conference CLEO/Europe 2007, Munich, Germany, 17-22 June.

D.N. Nikogosyan, S.A. Slattery, G. Brambilla, A.A. Fotiadi:

"Photochemical long-period grating fabrication in pure-fused-silica photonic crystal fiber."

Advance Programme, paper CH3-3-FRI (invited)

D. Nikogosyan, V. Mezentsev, M. Dubov, I Bennion:

"Inscription of a 300-nm-period nanostructure in a pure fused silica."

Postdeadline papers, paper CP2-4-THU

99. Third European Workshop on Optical Fibre sensors, Napoli, Italy, 4-6 July.

R.P. O'Byrne, S.V. Sergeyev, D.A. Flavin, D.N. Nikogosyan:

"Strain characterization of fiber Bragg gratings inscribed by high-intensity femtosecond UV pulses."

Technical Programme, paper 6619-18

100. OSA Topical Meeting on Bragg gratings, Photosensitivity and Poling in Glass Waveguides BGPP 2007, Quebec, Canada, 2-6 September.
M. Dubov, V. Mezentsev, I. Bennion, D.N. Nikogosyan:
"Demonstration of possibility of 300-nm-period Bragg grating inscription in a pure fused silica." Technical programme, paper BTuD5
I. Bennion, V. Mezentsev, M. Dubov, D. Nikogosyan, J. Petrovic, Y. Lai, G. Smith, K. Zhou, K. Sugden:
"Device fabrication by femtosecond laser inscription." Technical programme, paper BWB6 (invited)
H.G. Limberger, C. Ban, R.P. Salathe, S.A. Slattery, D.N. Nikogosyan:
"Absence of UV-induced stress in Bragg gratings recorded by high-intensity 264 nm laser pulses in hydrogenated SMF-28." Technical programme, paper JWA55

101. 33rd European Conference on Optical Communications, Berlin, Germany, 16-20 September.
M. Dubov, V. Mezentsev, I. Bennion, D.N. Nikogosyan:
"Fabrication of 300-nm-period nanostructure in a bulk fused silica." Technical programme, paper 6.3.7

102. Photonics Ireland 2007, Galway, Ireland, 24-26 September.
R.P. O'Byrne, S.V. Sergeyev, S.A. Slattery, D.N. Nikogosyan, J.D.C. Jones:
"Strain characterization of asymetric FBGs, inscribed by high-intensity femtosecond UV pulses, using a Czerny-Turner spectrometer."
Technical programme, poster 144.

2008

103. SPIE Europe Optical Systems Design Conference, Glasgow, United Kingdom, 1-5 September.
M. Dubov, R.K. Nasyrov, D.N. Nikogosyan, A.G. Poleshchuk, V.K. Mezentsev, I. Bennion:
"Micro-holographic methods for sub-micrometer grating fabrication with UV femtosecond laser." Technical programme, paper 7100A-30

104. International Conference on Advanced Laser Technologies ALT'08, Siofok, Hungary, 13-18 September.
D.N. Nikogosyan, M. Dubov, I. Bennion, P. Bolger, A.V. Zayats:

"Point-by-point inscription of 250-nm-period structure in bulk fused silica by tightly-focused femtosecond UV pulses." Book of Absracts, p.100

2009

105. Photonics Ireland 2009, Kinsale, Ireland, 14-16 September.
S. Bette, C. Caucheteur, P. Mégret, R. García-Olcina, J. Capmany, S. Sales, D.N. Nikogosyan:
"Birefringence evaluation in strong femtosecond UV laser-induced fibre Bragg gratings." Conference Programme and Summaries, paper A69.
P. Kelleher, D.N. Nikogosyan:
"Narrow-band fibre Bragg gratings recorded with 264 nm femtosecond pulses." Conference Programme and Summaries, paper B12.

2010

106. 4th EPS-QEOD Europhoton Conference on Solid-State, Fibre, and Waveguide Coherent Light Sources, Hamburg, Germany, 29 August-3 September.
P. Kelleher, D. Nikogosyan:
"Narrow-band fibre Bragg gratings prepared with 264 nm femtosecond pulses." Conference Digest, Europhysics Conference Abstract Volume 34C, paper TuP2.