

Professor David Natroshvili: Participation in International Conferences

(** - Invited plenary lecture, * - International conference)

1977*

THIRD NATIONAL CONGRESS IN THEORETICAL AND APPLIED MECHANICS
Varna, Bulgaria, 13-16 September, 1977

D.Natroshvili, A. Djagmaidze: Some static and dynamic problems of the theory of elasticity for piecewise homogeneous bodies. Proceedings, I, Sophia, 1977, 551-555.

1983*

8 TAGUNG, UBER PROBLEME UND METHODEN DER MATHEMATISCHE PHYSIK
(CONFERENCE ON PROBLEMS AND METHODS IN MATHEMATICAL PHYSICS)
Karl-Marx-Stadt, Germany, September, 1983.

D.Natroshvili: Potential method in the anisotropic thermoelasticity, Book of Abstracts, p. 37.

1988**

9 TAGUNG, UBER PROBLEME UND METHODEN DER MATHEMATISCHE PHYSIK
(CONFERENCE ON PROBLEMS AND METHODS IN MATHEMATICAL PHYSICS)
Karl-Marx-Stadt, Germany, September, 1988.

D.Natroshvili: Potential methods in the theory of elastic mixtures. Book of Abstracts, p. 30.
(Invited plenary lecture)

D.Natroshvili, M. Svanadze: Potential method in the problems of linear theory of elastic mixtures. In: Problems and Methods in Mathematical Physics. 9 TMP, Karl-Marx-Stadt, 1988. Proceedings, Teubner Texte zur Mathematik, 1988, 199-206.

1989

ENLARGED SESSION OF THE SEMINAR OF I.VEKUA INSTITUTE OF TBILISI STATE UNIVERSITY
Tbilisi, 22-25 April, 1989.

D.Natroshvili, R.Duduchava, E.Shargorodsky: Basic boundary value problems of the mathematical theory of cracks for anisotropic medium. Reports of Seminar of I.Vekua Institute of Tbilisi University, Tbilisi, 1989, 87-90

1989

MODERN PROBLEMS OF THE CALCULUS OF VARIATIONS
Tbilisi, Georgia, 15-21 November, 1989.

D.Natroshvili, R.V.Duduchava, E.M.Shargorodski: Boundary value problems of the mathematical theory of cracks.

1989**

CONFERENCE ON DIFFERENTIAL EQUATIONS AND APPLICATIONS, CDE IV
Rousse, Bulgaria, 13-19 August, 1989.

D.Natroshvili: Exterior boundary-contact value problems of steady state oscillations of anisotropic bodies, IV Conf. on Differential Equations and Applications, 13-19 Aug., 1989, Rousse, Abstracts, p. 211. (Invited plenary lecture)

1990*

DYNAMICS OF SOLID BODIES AND STABILITY OF MOTION
Donetsk, Ukraine, September, 1990.

D.Natroshvili, E. Shargorodsky: Mixed type boundary value problems of steady state oscillations for anisotropic bodies, Book of Abstracts, 57-58.

1991

ENLARGED SESSION OF THE SEMINAR OF I.VEKUA INSTITUTE OF TBILISIS STATE UNIVERSITY
Tbilisi, 23-26 April, 1991.

D.Natroshvili: Non-classical contact problems for anisotropic bodies. Reports of Enlarged Session of the Seminar of I. Vekua Institute of Tbilisi University, Tbilisi State University, Vol.6, No.2, 116-119, 1991.

1991*

CONTINUUM MECHANICS AND RELATED PROBLEMS OF ANALYSIS.
(SYMPOSIUM DEDICATED TO THE CENTENARY OF ACADEMICIAN
N. MUSKHELISHVILI)
GEORGIAN ACADEMY OF SCEJENCES, I. JAVAXISHVILI TBILISI STATE UNIVERSITY
Tbilisi, Georgia, 6-11 June, 1991.

D.Natroshvili: Crack problems in the anisotropic thermoelasticity, Book of Abstracts, p. 153.

1991*

13th BOUNDARY ELEMENT METHOD INTERNATIONAL CONFERENCE
Tulsa, Oklahoma, USA, 21-23 August, 1991.

D.Natroshvili: Boundary contact value problems of the steady state oscillation theory for a piecewise homogeneous elastic medium.

1991*

MECHANICS OF NON-HOMOGENEOUS STRUCTURES
Lvov, Ukraine, 17-19 September, 1991.

D.Natroshvili, R.Duduchava, E.Shargorodsky: Mixed boundary-contact value problems for piecewise homogeneous anisotropic bodies. Book of Abstracts, p. 110.

1992*

FIRST CONGRESS OF EUROPEAN MATHEMATICIANS

Paris, France, 6-10 July, 1992.

D.Natroshevili: Vibration problems of anisotropic elastic bodies. (Poster).

1993

ENLARGED SESSION OF THE SEMINAR OF I.VEKUA INSTITUTE OF TBILISIS STATE UNIVERSITY

Tbilisi, 21-23 April, 1993.

D.Natroshevili, I.Sigua: Interface problems of thermoelasticity for piece wise homogeneous anisotropic bodies. Reports of Enlarged Session of the Seminar of I.Vekua Inst. of Applied Mathematics, Tbilisi State University, Vol.8, No.2, 72-75, 1993.

1993*

INTERNATIONAL SYMPOSIUM ON BOUNDARY ELEMENT METHODS, IABEM 93

Braunschweig, Germany, 16-19 August, 1993

D.Natroshevili, R.Duduchava, E.Shargorodsky: Mathematical problems of thermoelasticity for bodies with cuts.

1993*

10 TAGUNG, UBER PROBLEME UND METHODEN DER MATHEMATISCHE PHYSIK (CONFERENCE ON PROBLEMS AND METHODS IN MATHEMATICAL PHYSICS)

Chemnitz, Germany, 13-17 September, 1993.

D.Natroshevili: Mathematical problems of the anisotropic elasticity for piecewise homogeneous bodies. Proceedings: Problems and Methods in Mathematical Physics, Teubner-Texte Zur Mathematik, Band 134, Stuttgart-Leipzig, 1994, 100-110.

1993*

DFG-KOLLOQUIUM : BOUNDARY ELEMENT METHODS

Katholische Akademie Schwerte, Germany. October, 1993.

D.Natroshevili: Boundary integral equation method in non-classical steady state oscillation problems for anisotropic bodies.

1994 *

25th ANNUAL IRANIAN MATHEMATICS CONFERENCE

Teheran, Iran, 28-31 March, 1994.

D.Natroshevili: Mathematical problems of thermodynamics for bodies with cuts. Book of Abstracts, p. 46.

1994*

SYMPOSIUM ON TRENDS IN APPLICATIONS OF MATHEMATICS TO MECHANICS

Lisboa, Portugal, 23-30 July, 1994.

D.Natroshevili: Boundary integral equation in the mixed type interface problems of the anisotropic elasticity. Book of Abstracts, p. 21.

1994*

ICM 94, INTERNATIONAL CONGRESS OF MATHEMATICIANS
Zurich, Switzerland, 3-11 August, 1994.

D.Natroshevili, G.Sadunishvili: Interaction of elastic and scalar fields.

1994**

BOUNDARY ELEMENT METHODS: APPLICATIONS AND ERROR ANALYSIS
(conference "Randelementmethoden: Anwendungen und Fehleranalyse")
Oberwolfach, Germany, 2-8 October, 1994.

D.Natroshevili: Boundary integral equation methods in steady state oscillation problems for anisotropic bodies, Book of Abstracts, p. 19. (Invited plenary lecture)

1995*

ICIAM/GAMM 95, THE THIRD INTERNATIONAL CONGRESS ON INDUSTRIAL AND APPLIED MATHEMATICS
Hamburg, Germany, 3-7 July, 1995.

D.Natroshevili: Steady state oscillation problems in anisotropic elasticity, Book of Abstracts, p. 189.

1996*

STAMM 96, SYMPOSIUM ON TRENDS IN APPLICATIONS OF MATHEMATICS TO MECHANICS
Warsaw, Poland, 2-7 September, 1996.

D.Natroshevili, I.Sigua: Sommerfeld-Kupradze type radiation conditions in the theory of thermoelastic vibrations of anisotropic bodies, Book of Abstracts, p. 56.

1996**

SOMMERFELD'96: MODERN MATHEMATICAL METHODS IN DIFFRACTION THEORY AND ITS APPLICATIONS IN ENGINEERING
Freudenstadt, Germany, 30 September – 4 October, 1996.

D.Natroshevili, L.Jentsch, I.Sigua: Thermoelastic oscillation problems for piecewise homogeneous anisotropic bodies, TH Darmstadt, Preprint 1868, p.31, 1996.

D.Natroshevili, L.Jentsch: Thermoelastic oscillations of anisotropic bodies, TH Darmstadt, Preprint 1868, p.4, 1996. (Invited plenary lecture)

D.Natroshevili, R.Duduchava: Mixed crack type problems in anisotropic elasticity, TH Darmstadt, Preprint 1868, p.19--20, 1996.

1996 *

CONFERENCE ON ANALYSIS, NUMERICS AND APPLICATIONS OF DIFFERENTIAL AND INTEGRAL EQUATIONS
Stuttgart, Germany, 9-11 October, 1996.

D.Natroshevili, G.Arsenashvili: Boundary value problems of the linear theory of two-component elastic composites.

1996 *

ECCOMAS 96

Paris, France, 9-13 September, 1996.

D.Natroshvili, L. Jentsch: Steady state thermoelastic oscillation problems for anisotropic bodies.

D.Natroshvili, E. Shargordsky: Mixed and crack type problems for non-homogeneous anisotropic elastic media and boundary integral equations.

1997 *

DIFFERENTIAL EQUATIONS AND MATHEMATICAL PHYSICS.

(INTERNATIONAL SYMPOSIUM DEDICATED TO THE 90th BIRTHDAY ANNIVERSARY OF ACADEMICIAN I.VEKUA)

Tbilisi, Georgia, 21-25 June, 1997.

D.Natroshvili: Mathematical theory of steady state vibrations of anisotropic bodies. Book of Abstracts, p. 153.

1997**

THE INTERNATIONAL ISAAC'97 CONGRESS

Newark, Delaware, USA, 3-7 June, 1997.

D.Natroshvili: Mathematical problems of thermoelastic vibrations. (Organizer of the mini-symposium, Invited plenary lecture)

1997 *

THE SECOND INTERNATIONAL SYMPOSIUM ON THERMAL STRESSES AND RELATED TOPICS

Rochester, New York, USA, 8-11 June. 1997.

D.Natroshvili, L. Jentsch: Mathematical problems of the thermoelasticity theory of anisotropic bodies, Book of Abstracts, p. 513.

1997*

INTERNATIONAL SYMPOSIUM ON PROBLEMS OF CONTINUUM MECHANICS

Tbilisi, Georgia, 16-19 June, 1997.

D.Natroshvili: Interaction between thermoelastic and scalar oscillation fields (General anisotropic case).

1997 *

BOUNDARY INTEGRAL METHODS: THEORY AND APPLICATIONS

Manchester, University of Salford, UK, 15-18 September, 1997.

D.Natroshvili: Boundary integral equations method in the theory of thermoelastic vibrations.

1998*

IABEM98 CONFERENCE

Palaiseau, Ecole Polytechnique, Paris, 25-29 May, 1998.

D.Natroshvili, A.-M.Saendig, W.L.Wendland: Fluid-structure interaction problems.

1998*

5th INTERNATIONAL CONFERENCE ON INTEGRAL METHODS IN SCIENCE AND ENGINEERING (IMSE 98).

Houghton, Michigan University, USA, 10-13 August, 1998.

D.Natroshvili: Interaction between vector and scalar fields in anisotropic medium, Book of Abstracts, p. 57.

D.Natroshvili, S.Zazashvili: Interface crack problem for piecewise homogeneous anisotropic plane, Book of Abstracts, p. 98.

1998*

ICM1998, INTERNATIONAL CONGRESS OF MATHEMATICIANS

Berlin, Germany, 18-27 August, 1998.

D.Natroshvili: Direct and inverse problems of fluid-structure interaction. Book of Abstracts, p. 241.

1998*

SYMPOSIUM ON DIFFERENTIAL EQUATIONS AND MATHEMATICAL PHYSICS (A.RAZMDZE MATHEMATICAL INSTITUTE)

Tbilisi, 3-6 November, 1998.

D.Natroshvili: Direct and inverse problems for multi-structures

1999**

RECENT ADVANCES IN ANALYTICAL AND NUMERICAL TREATMENT OF OPERATOR EQUATIONS

Chermnitz, Germany, 25-28 March, 1999.

D.Natroshvili: Uniqueness theorems for inverse fluid-solid interaction problems, Book of Abstracts, p. 34. (Invited plenary lecture)

1999*

INTERNATIONAL CONFERENCE ON MULTIFIELD PROBLEMS

Stuttgart, Germany, 6-8 October, 1999.

D.Natroshvili, Sh.Zazashvili: Interface crack problem for a piecewise homogeneous anisotropic plane, Book of Abstracts (Bericht 99/12), p. 93.

2000*

BOUNDARY INTEGRAL METHODS: THEORY AND APPLICATIONS

Bath, UK, 12-16 September, 2000.

D.Natroshvili: Direct and inverse fluid-structure interaction problems.

2001*

SYMPOSIUM ON DIFFERENTIAL EQUATIONS AND MATHEMATICAL PHYSICS
(A.RAZMDZE MATHEMATICAL INSTITUTE)

Tbilisi, 23-25 July, 2001.

D.Natroshevili: Contact problems in wave scattering theory.

2001

CONGRESS OF GEORGIAN MATHEMATICIANS

Tbilisi, 11-13 October, 2001

D.Natroshevili: Scattering problems in the case of rough surfaces, Book of Abstracts, p. .
(Organizer of the Congress, Member of the Scientific Committee).

2002*

THE 7th INTERNATIONAL CONFERENCE ON INTEGRAL METHODS IN SCIENCE AND
ENGINEERING, IMSE 2002

Saint-Etienne, France, 7-10 August, 2002.

D.Natroshevili: Boundary variational inequalities in the theory of interface cracks, Book of
Abstracts, p. 53.

2002*

ICM2002, INTERNATIONAL CONGRESS OF MATHEMATICIANS

Beijing, China, 20-28 August, 2002.

D.Natroshevili: Interface scattering problems. Book of Abstracts, p. 227.

2003*

POTENTIAL METHODS AND APPLICATIONS (INTERNATIONAL CONFERENCE
DEDICATED TO THE CENTINARARY OF ACADEMICIAN V.KUPRADZE)

Tbilisi, Georgia , 26-29 October, 2003.

D.Natroshevili – Organizer of the Conference, Chair of the Scientific Committee.

2004**

BOUNDARY INTEGRAL METHODS: THEORY AND APPLICATIONS

Reading, UK, 14-18 September, 2004.

D.Natroshevili: Mathematical problems of the elasticity theory of chiral materials (Invited plenary
lecture), Book of Abstracts, p. 17. (Invited plenary lecture)

2005**

CONFERENCE ON OPERATOR THEORY, FUNCTION SPUCES AND APPLICATIONS

Aveiro, Portugal, 7-9 July, 2005.

D.Natroshevili: Boundary integral equations method in the elasticity theory of hemitropic
materials, Book of Abstracts, p. 21. (Invited plenary lecture)
(Organizer of the Conference, Member of the Scientific Committee).

2005**CONGRESS OF GEORGIAN MATHEMATICIANS**

Tbilisi, 14-16 November, 2005.

D.Natroshevili: Interaction problems of metallic and piezoelectric materials with regard to thermal stresses, Book of Abstracts, p. 94.

(Organizer of the Congress, Member of the Scientific Committee).

2006***SECOND INTERNATIONAL WORKSHOP: DIRECT AND INVERSE PROBLEMS IN PIEZOLECTRICITY, Hirscheegg (Kleinwalsertal), Austria, July 16- 19, 2006.**

D.Natroshevili (T. Buchukuri, O.Chkadua):

Mathematical modelling and analysis of interaction problems for metallic-piezoelectric structures with regard to thermal

stresses, W. Geis, A.-M. Saendig (eds.), Book of abstracts, Stuttgart University, 2006, p. 14.

D.Natroshevili (T. Buchukuri, O.Chkadua):

Three-dimensional finite element modelling of a piezoelectric actuator with regard to thermal effects, (T. Buchukuri, O.Chkadua),

W. Geis, A.-M. Saendig (eds.), Book of abstracts, Stuttgart University, p. 4.

D.Natroshevili (T. Buchukuri, O.Chkadua):

The solvability and asymptotics of solutions of crack-type boundary value problems of thermopiezoelectricity,

W. Geis, A.-M. Saendig (eds.), Book of abstracts, Stuttgart University, p. 5.

2006***INTERNATIONAL CONGRESS OF MATHEMATICIANS**

Madrid, Spain, 22-30 August, 2006.

D.Natroshevili: Transmission problems related to the interaction of metallic and piezoelectric materials, Book of Abstracts: Posters, Short Communications, Mathematical Software, Other Activities. European Mathematical Society, 2006, p. 423.

2007***ISAAC INTERNATIONAL CONFERENCE: COMPLEX ANALYSIS, PARTIAL DIFFERENTIAL EQUATIONS, AND MECHANICS OF CONTINUA 23-27 April, 2007, Tbilisi, Georgia.**

D.Natroshevili, T. Buchukuri, O.Chkadua: Mathematical problems for piezoelectric-metallic composites.

D.Natroshevili, A.Gachechiladze, R.Gachechiladze: Contact problems in hemitropic elasticity: a boundary variational inequality approach.

2007***ICIAM2007 (6th INTERNATIONAL CONGRESS ON INDUSTRIAL AND APPLIED MATHEMATICS), 16-20 July, 2007, Zurich (Switzerland)**

D.Natroshevili: Mathematical problems for piezoelectric-metallic composites: Existence and regularity results. Book of Abstracts of ICIAM 2007 (the 6th INTERNATIONAL CONGRESS ON INDUSTRIAL AND APPLIED MATHEMATICS, 16-20 July, 2007, Zurich, Switzerland), University of Zurich and ETH Zurich, 2007, p. 499.

2007*

WAVES2007 (INTERNATIONAL CONFERENCE ON MATHEMATICAL AND NUMERICAL ASPECTS OF WAVES), 23-27 July, 2007, Reading (UK).

D. Natroshvili, T. Buchukuri, O. Chkadua: Mathematical problems for piezoelectric-metallic composites: Existence and stress singularity analysis. Proceedings of WAVES 2007 (the 8th International Conference on Mathematical and Numerical Aspects of waves, 23-27 July, 2007, Reading, UK), University of Reading, 2007, 324-326.

2007*

FOURTH INTERNATIONAL CONFERENCE OF APPLIED MATHEMATICS AND COMPUTING, 12 -18 August, 2007, Plovdiv (Bulgaria)

D. Natroshvili, T. Buchukuri, O. Chkadua: Mathematical problems for piezoelectric-metallic composites. Plovdiv, Bulgaria, Book of Abstracts, Volume 4, p.423.

2007*

6th INTERNATIONAL ISAAC CONGRESS, 13-18 August, 2007, Middle East Technical University, Ankara (Turkey)

D.Natroshvili, T. Buchukuri, O.Chkadua: Application of pseudodifferential equations in the theory of piezoelectric-metallic composites. Book of Abstracts, METU, Ankara, 2007, p. 90.

D.Natroshvili, L.Giorgashili, S.Zazashvili: General representation of solutions to the system of differential equations of hemitropic elasticity and its applications. Book of Abstracts, METU, Ankara, 2007, pp. 90-91.

2008*

79-th ANNUAL MEETING of the INTERNATIONAL ASSOCIATION of APPLIED MATHEMATICS and MECHANICS (GAMM), 31 March-4 April, 2008, Bremen University, Germany.

D.Natroshvili, R.Gachechiladze, I.Stratis: Transmission and crack problems in the theory of elastic hemitropic materials. Book of abstracts, web-page:
www.zarm.uni-bremen.de/gamm2008

2008*

International Workshop: ANALYSIS, PARTIAL DIFFERENTIAL EQUATIONS AND APPLICATIONS, Rome (Italy), June 30- July 3, 2008.

D.Natroshvili: Stress singularity analysis in mathematical problems for piezoelectric-metallic composites. Book of Abstracts, Istituto Nazionale di Alta Matematica Francesco Severi, 2008, p. 39.

2008*

THE 10th INTERNATIONAL CONFERENCE ON INTEGRAL METHODS IN SCIENCE AND ENGINEERING, IMSE2008, Santander, Spain, 7-10 July, 2008.

D.Natroshvili, O.Chkadua: Stress singularity analysis for piezoelectric-metallic composite structures. Book of Abstracts, Universidad de Cantabria, 2008, p. 149.

2008*

THE INTERNATIONAL CONFERENCE ON MODERN PROBLEMS IN APPLIED MATHEMATICS (DEDICATED TO THE 90-TH ANNIVERSARY OF IV. JAVAKHISHVILI TBILISI STATE UNIVERSITY (TSU) AND 40-TH ANNIVERSARY OF I. VEKUA INSTITUTE OF APPLIED MATHEMATICS (VIAM) OF TSU), Tbilisi, Georgia, 7-9 October, 2008.

D.Natroshvili, Mixed interface crack problems for composed solid structures, Book of Abstracts, Tbilisi, University Press, 2008, p. 72.

O. Chkadua, T. Buchukuri, D. Natroshvili, Mixed boundary value problems of piezoelectricity for solids with cracks. Book of Abstracts, Tbilisi, University Press, 2008, p. 71.