

Curriculum Vitae

Name	Tamaz
Surname	Chelidze
Date and place of birth	25 December, 1934, Kutaisi
Address:	1, M.Aleksidze St., M.Nodia Institute of Geophysics
Education:	Work
1952-1957	Moscow M.Lomonosov State University
Scientific degree and title:	
1964	Candidate of Physico-Mathematical Sciences
1975	Doctor of Chemical Sciences
1985	Doctor of Physico-Mathematical Sciences
1989	Professor
1997	Corresponding Member of the Georgian Academy of Sciences
Positions held:	
1987, 1992, 1994	Invited Professor at Strasbourg University Invited Professor at Renes University (France)
1996	to the present day – Director of the European Centre “Geodynamic Risk of High Dams”
1996-2007	Permanent Representative of Georgia at the Treaty on Great Catastrophes under the Council of Europe (EUROPA)
1997-2007	Head of the Chair of Prospecting Geophysics, Tbilisi State University
2000	Invited Professor at the “Ecole normal Superior” (Paris)
2007	to the present day – Chairman of the Scientific Council of the Mikheil Nodia Institute of Geophysics
Sphere of scientific interests:	experimental and theoretical research into the physics of heterogeneous bodies, including rocks, bioobjects, granular and colloidal objects; ecogeophysics; surface physico-chemical processes; prospecting geophysics; archaeogeophysics; statistical models of rift; earthquake physics; hydrogeophysics, geothermy; assessment of seismic hazard of seismic risk; prediction of earthquakes
Number of published works	200
List of principal scientific works:	<ol style="list-style-type: none">1. Т.Л.Челидзе, Л.И.Деревянко, О.Д.Куриленко. Электрическая спектроскопия гетерогенных систем. Монография. Киев: «Наукова думка», 1977. – 231 с2. Т.Л.Челидзе Методы теории протекания в механике геоматериалов. Монография. М.: Наука, 1987. 136 с.3. Т.Macharashvili, Т.Chelidze. Complexity in the Structure and Dynamics of Nature. Fractals, Chaos and Nonlinear Analysis of Temporal Series (auxiliary textbook), Tbilisi, “Geoprinti”, 2000, 249 p. (in Georgian)4. Electromagnetic signature of prefracture criticality in heterogeneous media. Phys. Rev. Lett. 92, #6, 065702- 1- 4, 2004, (R.Kapiris, K.Eftaxias, T. Chelidze)5. Phase synchronization of slip in laboratory slider system. (T. Chelidze, T. Matcharashvili, J. Gogiashvili, O. Lursmanashvili, M.Devidze), Nonlinear Processes in Geophysics, 20, 1-9, 2005.6. Seismological criticality concept and percolation model of fracture. (T.Chelidze, Yu.Kolesnikov, T.Matcharashvili). Geophysical Journal International, 164, 125-136, 2006

7. Influence of periodic variations in water level on regional seismic activity around a large reservoir: field data and laboratory model. J. Peinke, T. Matcharashvili, T. Chelidze, J. Gogiashvili, A. Nawroth, O. Lursmanashvili, Z. Javakhishvili. *Physics of the Earth and Plan. Int.*, 130-142, 2006
8. Electromagnetic Synchronization of Slip. T. Chelidze, T. Matcharashvili, O. Lursmanashvili, J. Gogiashvili, M. Devidze. // *Nonlinear Dynamics*. 44, 293_298, 2006.
9. Identification of complex processes based on analysis of phase space structures. ; T. Matcharashvili, T. Chelidze, M. Janiashvili. In: "Imaging for Detection and Identification", Ed. J. Byrnes, Springer, 2007, pp. 207-243
10. T. Chelidze, O. Lursmanashvili, T. Matcharashvili, N. Aramashvili, N. Zhukova, E. Mepharidze. High order synchronization of stick-slip process: experiments on spring-slider system. *Nonlinear Dynamics*. DOI 10.1007/s11071-009-9536-6, 2009

Prizes, awards:

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