

## Short CV

<b>Name</b>	<b>Loukas Vlahos</b>
<i>Position</i>	Professor, Department of Physics, AUTH
<i>Studies</i>	<ul style="list-style-type: none"> <li>• PhD in Physics, University of Maryland, USA (1979)</li> <li>• MSc in Physics, University of Maryland, USA (1976)</li> <li>• Diploma in Physics, Aristotle University of Thessaloniki (1972)</li> </ul>
<i>Scientific Expertise</i>	<ul style="list-style-type: none"> <li>• Professor, Department of Physics, AUTH, 2007-today</li> <li>• Associate Professor, Department of Physics, AUTH, 1990-2006</li> <li>• Assistant Professor, Department of Physics, AUTH, 1986-1990</li> <li>• Senior Research Associate, University of Maryland, College Park, MD, USA, 1984-1985</li> <li>• Research Associate, University of Maryland, College Park, MD, USA, 1980-1982</li> <li>• Consultant, Applied Physics Laboratory, Johns Hopkins University, Baltimore, MD, USA, 1983-1985</li> </ul>
<i>Research Activities</i>	<ul style="list-style-type: none"> <li>• 100 articles in international referred journals</li> <li>• 30 review articles or chapters in books</li> <li>• 15 research programs</li> <li>• Organizer of 5 international conferences and meetings in Thessaloniki</li> <li>• 20 participations in scientific committees of conferences and summer schools.</li> <li>• 52 invited talks in international conferences</li> <li>• Supervisor of 35 diploma thesis</li> </ul>
<i>Research Interests</i>	High Energy Astrophysics, Turbulence in space and laboratory plasmas, Dynamics of Complex systems, Complexity in Solar Active Regions, Diffusion of energetic particles in turbulent plasmas with applications in space and laboratory plasmas
<i>Most Important Publications in last 5 years</i>	<p>1) "Local re-acceleration and a modified thick target model of solar flare electrons", J. C. Brown, R. Turkmani, E.P. Kontar, A.L. MacKinnon, <b>L. Vlahos</b>, <i>Astronomy and Astrophysics</i>, 508, 993-1000 (2009)</p> <p>2) "Recent Advances in Understanding Particle Acceleration Processes in Solar Flares", V.V. Zharkova, ..., <b>L. Vlahos</b>, <i>Space Science Reviews</i>, 159, 357-420 (2011)</p> <p>3) "Turbulence, Magnetic Reconnection in Turbulent Fluids and Energetic Particle Acceleration", A. Lazarian, <b>L. Vlahos</b>, G. Kowal..., <i>Space Science Reviews</i>, 173, 557-622 (2012)</p> <p>4) "Electron-cyclotron wave scattering by edge density fluctuations in ITER", C. Tsironis, H. Isliker, <b>L. Vlahos</b>, ..., I. Chatziantonaki, <i>Physics of Plasmas</i>, 16, 112510-14 (2009)</p>

	5) "The correlation of fractal structures in the photospheric and the coronal magnetic field", M. Dimitropoulou, M. Georgoulis, H. Isliker, <b>L. Vlahos</b> , A. Anastasiadis, D. Srintzi, X. Moussas, <i>Astronomy and Astrophysics</i> , 505, 1245-1253 (2009)
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