Short CV of Charalampos (Haris) Skokos

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Haris Skokos holds an Associate Professor position at the Department of Mathematics and Applied Mathematics (MAM) of the University of Cape Town (UCT) in South Africa, leading a research group on 'Nonlinear Dynamics and Chaos'. From January 2022 he is also serving as Deputy Dean for Postgraduate Studies and Research at the Faculty of Science of UCT.

He acquired his BSc in Physics, with first class honours, from the University of Athens, Greece, in 1990 and his doctoral degree in Nonlinear dynamical systems from the same institute in 1997. His strong motivation to study both application and theory led him to the acquisition of a second university degree in Mathematics in 2005 from the University of Athens.

Over the years, he has worked at several highly acclaimed research institutes: the University of Athens (Greece), the Academy of Athens (Greece), the University of Patras (Greece), the Observatory of Paris (France), the Max Planck Institute for the Physics of Complex Systems in Dresden (Germany) and the Aristotle University of Thessaloniki (Greece). He joined the UCT in 2013 and served as Deputy and Interim Head of Department for MAM from the beginning of 2017 until January 2022.

His research activity belongs to the field of nonlinear dynamical systems and chaotic dynamics. His work includes both theoretical development of mathematical tools for nonlinear systems, and numerical application of these tools to real physical problems.

In his career he has published 79 papers in international refereed journals, 45 papers in conference proceedings, 2 book chapters, and has co-authored a book on 'Complex Hamiltonian Dynamics', which was published by Springer in 2012. His h-index is 24 (Researcher ID, Web of Science, Scopus) or 34 (Google Scholar). He has also co-edited 2 special issues of the 'International Journal of Bifurcation and Chaos', 1 focus issue of the international journal 'Chaos', and a volume of the 'Lecture Notes in Physics' series on 'Methods of Chaos Detection and Predictability'. In addition, he is/has been member of the editorial boards of 8 international refereed journals. He has presented his work at 73 conferences (being an invited speaker at 24 of them) and was the main organizer of 3 international conferences on nonlinear dynamics and of the '2019 Annual Congress of the South African Mathematical Society'. He has also been a member of the organizing committees of 9 other international conferences and/or schools.

He has supervised 3 PhD and 8 MSc theses, as well as mentored 1 postdoctoral researcher to completion. Currently he is the main supervisor of 1 postdoctoral researcher, 2 PhD students, and 4 MSc students, while he also co-advises 4 other PhD candidates. He has also been asked to act as reviewer for 50 international journals (e.g., Chaos, Physica D, PRL, PRE) and 8 research organizations from Belgium, Cyprus, Czech Republic, France, Greece, Israel and South Africa. Since 2020 he also serves as member of the standing panel for 'Physics, Astronomy, Mathematics and ICT' for the National Research Foundation of South Africa.