Katerina E. Aifantis obtained her Bachelor's in Engineering in 2002 with a minor in Mathematics, at the age of 19, and received a National Science Foundation Graduate Research Fellowship with which she obtained her Master's from the University of Cambridge in 2004 and her Ph.D. at the University of Groningen in 2005 at the age of 21, becoming the youngest PhD in The Netherlands. After a short post-doctoral period at Harvard of Cambridge/US and at Ecole des Mines of Paris/France, she was the youngest recipient of the European Research Council Starting/ERC Grant at the age of 24 (out of ~9,100 applicants only 300 were funded that year), which she carried out at Aristotle University of Thessaloniki and the University of Erlangen-Nuremberg, between 2008-2013. In 2013 she joined the University of Arizona as an Associate Professor, and since 2017 she has been an Associate Professor and Faculty Fellow at the Mechanical and Aerospace Engineering Department of the University of Florida, where she set up the Laboratory of Nanomaterials for Energy and Biological Applications. Over the past 10 years she has received funding as PI totaling ~ $3M. Her current work is funded from the US Department of Energy (DOE) and the National Science Foundation (NSF). She has published over 80 peer reviewed journal articles, including in Nature Materials (5-year impact factor 46.863), and her h-factor is 27. In 2010 she co-edited/co-authored the book High Energy Density Lithium-Ion Batteries with the leading publisher in electrochemistry, Wiley-VCH. This book has been translated in Chinese by China Machine Press, and currently the 2nd Edition is in preparation.