

Bio

Costas D. Maranas is the Donald B. Broughton Professor in the Department of Chemical Engineering at The Pennsylvania State University and a member of the faculty of the Intercollege Graduate Degree in Integrative Biosciences and the Operations Research Program as well as faculty affiliate of the Bioengineering Intercollege Graduate Program and Center for Supply Chain Research at Penn State. He is an Associate Editor for *Metabolic Engineering*, *PLoS Computational Biology*, *BMC Systems Biology*, *IEEE Life Science Letters*, *Biotechnology Journal* and *BMC Systems Biology*. He earned his diploma in Chemical Engineering from the Aristotle University in Greece in 1990 and his PhD degree in Chemical Engineering from Princeton University in 1995.



Costas Maranas' research program focuses on the application of algorithmic and optimization techniques for (i) the computational design of proteins, enzymes and antibodies, (ii) reconstruction, curation and analysis of metabolic networks, (iii) computational strain design and synthetic biology, (iv) systems biology of photosynthetic organisms and obligatory anaerobes, (v) modeling of microbial communities, and (vii) optimization theory and algorithms. He received the Allan P. Colburn Award for Excellence in Publications by a Young Member of AIChE, the Outstanding Young Investigator Award of the Computing and Systems Technology AIChE Division, and the Penn State Engineering Alumni Society (PSEAS) Premier Research Award. He is a Fellow of the American Institute for Medical and Biological Engineering and has been a Chair of the Biochemical and Biomolecular Engineering Conference. He has served as Session Chair and in Programming Committees for the Computing & Systems Technology (CAST) and Food, Pharmaceutical & Bioengineering (FP & BE) Divisions.

Education

Aristotle University	Diploma	Chemical Engineering
Princeton University	MA	Chemical Engineering
Princeton University	PhD	Chemical Engineering

Memberships

AIMBE Fellow
AIChE, SBE, IMES, CAST Member

Roles

Penn State University, Chemical Engineering Ω XE Honors Student Society Advisor

Online Contributions

None