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**Evaluation letter for Ioannis Caragiannis application for promotion to
the rank of Associate Professor**

Ioannis Caragiannis' research interests lie in the fields of Theoretical Computer Science, mainly on Design and Analysis of Algorithms, Complexity Theory, Approximation and On-line Algorithms, Algorithms on Networks, Theoretical Aspects of Combinatorial Optimization, Algorithmic Game Theory and Computational Social Choice.

He has performed his undergraduate studies at the Computer Engineering and Informatics Department (CEID) of the University of Patras (December 1996), where he has also received his PhD degree (April 2002). His thesis was on "Graph Coloring and its Applications to Effective Bandwidth Assignment to WDM Optical Networks".

From 2002 until nowadays, Caragiannis has been appointed to several research and teaching positions to the CEID: post-doctoral fellow, contractual Professor (407), Lecturer and, finally, Assistant Professor since 2010. From October 2012 to January 2013, he was also with the Computer Science Department of Carnegie Mellon University on a visiting researcher position.

Caragiannis' research achievements are very impressive. He is coauthor of:

- 33 papers published in top-rated international scientific journals (ACM Transactions on Algorithms, Artificial Intelligence, Algorithmica, Discrete Applied Mathematics, SIAM Journal of Discrete Mathematics, Theoretical Computer Science, Networks, Theory of Computing Systems, Journal of Combinatorial Optimization, Information Processing Letters, Parallel Processing Letters . . .);
- 69 papers published in proceedings of some of the best international conferences (FOCS, APPROX, SODA, ICALP, ESA, MFCS, WG, FST& TCS, WAE, SIROCCO, SPAA, ISAAC, WINE, WAOA, STACS, FCT, EC, AAAI, SAGT, IJCAI . . .);
- about half a dozen of book chapters.

Finally, he has about half a dozen papers in preparation or already submitted. His publication activity is intensive and continuous and it is an evidence that the Applicant

is a very active, efficient and productive researcher, able to conduct very high-level autonomous research. His scientific work has been cited more than a thousand of times and his h-index is 21.

Applicant's international scientific visibility and recognition are undeniable. Caragiannis has served as Program Committee or Organizing Committee member of about 35 top-rated international conferences (ESA, IJCAI, WINE, SAGT, SEA, AAMAS, EC, AAAI, WAOA, SIROCCO, EuroPAR, ...). He has given about 40 invited scientific talks at research seminars and events all over the world. Finally, he has served as reviewer in several high-level scientific journals and international conferences.

Caragiannis, is participating or has participated to about twenty European and Greek research projects and academic networks and has served as evaluator for several projects (local and International). He has an excellent advising activity, since he is supervising or has supervised about twenty Diploma and Master dissertations and is advising one PhD thesis.

Caragiannis has also a broad spectrum of teaching skills on several topics of Computer Science (Computational Complexity, On-line Algorithms, Economic Theory and Algorithms, Approximation Algorithms, Operating Systems, etc) and he has produced lecture notes for three of them. Last but not least, he is a very appreciated teacher as it is shown in the evaluations I received.

Finally, his investment for the local Academic Community is also quite important since he is participating to several local committees.

It is obvious to me that Caragiannis is a very skilful, active and promising researcher with a very large international visibility and with a high scientific culture and potential, capable of conducting high-level research and of achieving original results.

Henceforth, in my opinion, he undoubtedly merits promotion to Associate Professor's position.

Paris, February 9, 2015



Vangelis Th. Paschos