

Preface

The International Workshop on Complex Networks CompleNet (www.complenet.org) was initially proposed in 2008, and the first workshop took place in 2009 in Catania. The initiative was the result of efforts from researchers from the (i) BioComplex Laboratory in the Department of Computer Sciences at Florida Institute of Technology, USA, and the (ii) Dipartimento di Ingegneria Informatica e delle Telecomunicazioni, University di Catania, Italy. CompleNet aims at bringing together researchers and practitioners working on complex networks or related areas. In the past two decades, we have indeed witnessed an exponential increase of the number of publications in this field. From biology to computer science, from economics to social systems, complex networks are becoming pervasive in many fields of science. CompleNet aims at addressing this interdisciplinary nature of complex networks. CompleNet 2017 was the eighth event in the series and was hosted at the Inter University Center Dubrovnik, Croatia, during March 21–24, 2017.

This book includes the peer-reviewed list of works presented at CompleNet 2017. We received 106 submissions from 32 countries. Each submission was reviewed by at least three members of the Program Committee. Acceptance was judged based on the relevance to the symposium themes, clarity of presentation, originality and accuracy of results and proposed solutions. After the review process, 9 full papers and 13 short papers were selected to be included in this book. The 22 contributions in this book address many topics related to complex networks and have been organized in seven major groups: (1) Theory of complex networks, (2) Community detection, (3) Dynamics and spreading phenomena on networks, (4) Applications of network science, (5) Social structure, (6) Human behavior, (7) Biological networks. We would like to thank the Program Committee members

for their work in promoting the event and refereeing submissions. We are grateful to our speakers: Johan Bollen, Guido Caldarelli, Gourab Ghoshal, Aniko Hannak, Ágnes Horvát, Vito Latora, Jörg Menche, Stasa Milojevic, Anastasios Noulas, Giovanni Petri, Zoltan Toroczkai; their presentation is one of the reasons CompleNet 2017 was such a success.

New York, NY, USA
Melbourne, FL, USA
Budapest, Hungary
Zagreb, Croatia

Bruno Gonçalves
Ronaldo Menezes
Roberta Sinatra
Vinko Zlatić

Complex Networks VIII

Proceedings of the 8th Conference on Complex
Networks CompleNet 2017

Gonçalves, B.; Menezes, R.; Sinatra, R.; Zlatić, V. (Eds.)
2017, XIV, 262 p. 88 illus., 75 illus. in color., Hardcover
ISBN: 978-3-319-54240-9