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Sommario/riassunto	It is our great pleasure to welcome you to the 2018 Workshop on Advanced tools, programming languages, and PLatforms for Implementing and Evaluating algorithms for Distributed systems - ApPLIED 2018. The purpose of this workshop is to bring together designers and practitioners of distributed systems from both academia and industry to share their point of views and experiences on implementing and evaluating distributed algorithms and systems. This first installment of the workshop was co-located with the 2018 ACM Symposium on the Principles of Distributed Computing (PODC 2018). The workshop featured keynote lectures and presentations of peer-reviewed regular papers and short research statements. Regular papers reported on original research that had not been previously published. Short research statements summarized research published elsewhere or outlined new emerging ideas; their purpose was to foster discussion and collaboration. The call for papers attracted 4 regular paper submissions and 4 short research statement submissions. The Program Committee accepted 3 regular papers and 3 short research statements. Every submitted paper was read and evaluated by at least three reviewers. The final decisions regarding acceptance or rejection of each

paper were made through electronic Program Committee discussions held from June 1st to June 3rd. The program included four keynote lectures by Marcos Aguilera (VMware Research, US), Victor Luchangco (Oracle Labs, US), Miguel Matos (Universidade de Lisboa, Portugal) and Srikumar Venugopal (IBM Research, Ireland).