

BAŞARIM 2017

5th High Performance Computing Conference

September 14-15 2017, Yıldız Technical University, Davutpaşa, İstanbul

Call For Papers

With the objective of sharing and evaluating scientific research, experience, studies and results related to high performance computing at a national level scientific event, the [5th High Performance Computing Conference](#) (BAŞARIM 2017) will be held in 14-15 September 2017 at Davutpaşa Campus of Yıldız Technical University.

Topics of Interest

We welcome participation from all who are interested in achieving high performance through the usage of multicores, multiprocessors, GPU-based, parallel, grid, cloud and cluster etc. systems. Interest areas include but not limited to the followings;

- Computational Science and Engineering Applications
- Non-scientific Applications (Ex. Industrial, Finance, Machine Learning etc.)
- High Performance Computing for Machine Learning
- Big Data Applications
- Parallel Algorithms and Approaches
- Operating Systems and Middlewares
- Modern Parallel Architectures and Networks
- Distributed Systems
- Cloud Computing
- Compilers, Libraries and Tools
- Runtime Systems
- High Performance Visualization and Graphics
- Optimizations, Efficiency and Performance Measurements
- Performance Modeling
- Reliability and Resilience
- Resource Management
- Data Centers and Green Computing

Paper Submission and Proceedings

Proceedings that will be presented at the conference will be electronically published at BAŞARIM 2017 Conference Proceeding Book. Proceedings are expected to 4 to 6 pages and can be submitted in two-column IEEE format. A detailed paper submission guideline can be found at the conference webpage. Papers must be submitted through the conference webpage. The conference will offer both Turkish and English sessions. Similarly, we welcome proceedings in both languages though we highly encourage Turkish citizens to submit their proceedings in Turkish.

Important Dates

Submission Date	1 June 2017
Author Notification	1 August 2017
Camera-ready paper due	20 August 2017
Early Registration Deadline	1 September 2017

Invited Speakers

Prof. Geoffrey Charles Fox (Indiana University)
Dr. Anshu Dubey (Argonne National Laboratory)

Journal Special Issue

*Authors of papers accepted at BAŞARIM 2017 will be invited to submit extended and updated versions of their work for **Special Issue of Concurrency and Computation: Practice and Experience.***

Organizing Committee

Didem Unat, *Koç University, Comp. Eng.*
Mehmet Aktaş, *Yıldız Technical University Comp. Eng.*
Ayşe Yılmaz, *İstanbul Kemerburgaz University, Comp. Eng.*
Gökhan Ali Yavuz, *Yıldız Technical University Comp. Eng.*
Feyza Eryol, *TÜBİTAK ULAKBİM*
Onur Temizsoylu, *TÜBİTAK ULAKBİM*