Dear Mr. Ostasz,

My name is Efe Usanmaz and I am composing this email on behalf of Istanbul Technical University (ITU), Informatics Institute regarding the H2020 call, FETHPC-02-2017: Transition to Exascale Computing (Future and Emerging Technologies Work Programme).

I would like to take this opportunity to explore a possible collaboration with ITU, one of the leading research-intensive technical universities in Turkey. I would like to propose ITU as a partner to your consortium should you be applying to this call.

We believe that ITU has the credentials to boost a consortium with its strong network in reaching the industry and a vast number of end users, in addition to its strong research capacity. Please kindly find further information on the Informatics Institute’s skills, experience and activities in the attached Expression of Interest.

The Informatics Institute has full potential to successfully lead work packages concerning interdisciplinary research and development organization serving in all application areas of information technologies. The Department is skilled in:

- applied research on mechanical infrastructure and thermal management of data centers;
- gathering industrial and academic partners that serve development of new computational techniques and execute computationally expensive simulations;
- applications in modelling and optimization including but not limited to limited to the energy efficiency, thermal management and reliability of data centers;
- communications, network and vertical sectors and applications consisting of the critical infrastructure and high performance computing.

The Informatics Institute can contribute to the FETHPC-02 topic through its expertise as follows:

- Innovative solutions to the design of mechanical infrastructure for data centers;
- Optimization through physics-based reduced order multi-scale thermal models developed in-house (e.g. Matlab);
- Holistic energy-aware optimization and management of computing, power and cooling resources for exascale computing;
- Real-time model-based prediction of thermal environment conditions in the exascale computing infrastructure.

I would like to thank you in advance for your interest, and if you are submitting a proposal we would like to collaborate with you and contribute towards forming the project outline.
In the meantime, I remain at your disposal should you have any questions or need further information.

Kindest regards,

Efe Usanmaz  
*Research Executive*

Rue de la Loi, 28 Bte 22  
B-1040 Brussels Belgium  
+32 2 230 16 09  
info@eurohubconsultancy.eu  
www.eurohubconsultancy.eu