Dear Editor(s),

We are delighted to submit our manuscript in the Special Issue of JPDC on "Trends on Heterogeneous and Innovative Hardware and Software Systems". Our work entitled "On the Maturity of Parallel Applications for Asymmetric Multi-Core Processors" is a thorough evaluation study about high performance applications and asymmetric multi-core systems.

Our work examines if current high performance applications are portable and efficient when moving to asymmetric mutli-core systems.
We then perform an extensive evaluation of different scheduling models such as application level scheduling, runtime level scheduling and OS level scheduling and find out what is the most appropriate way in order to utilize such heterogeneous systems.
Our findings show that the runtime system offers the most flexible and efficient environment to handle resource allocation or parallel applications.

We hope that you will find our research and contributions interesting and valuable.

Yours sincerely,
The Authors