Thesis Title: Utilization of Grid Technology in Processing of Medical Information

Review Report- dated June 15, 2015

The subject thesis focused on selected areas of biomedical research that can benefit from current computational infrastructures in Europe and worldwide. The thesis investigated the use of grid computing and cloud computing to improve the processing time of medical applications. The thesis made an attempt to identify use cases in the biomedical domain which are suitable for processing in clouds/Grids. Computationally demanding biomedical tasks such as voice science were executed on a Grid based computing infrastructure. In addition, the thesis made an attempt to identify the influence of Grids and Clouds on the direction of research in the biomedical domain.

The thesis made numerous contributions through case studies and presented a prototype, evaluations and results to support the thesis objectives.

The thesis exhibits good understanding of independent scientific work and I am pleased to recommend that a doctoral degree in Biomedical Informatics may be awarded to Mr Tomas Kulhanek on the basis of this work.

Please do not hesitate to contact me should you require any further comments on this thesis.

Sincerely Yours

Dr. Ashiq Anjum

Reader in Distributed Computing

Department of Computing and Mathematics

College of Engineering and Technology

University of Derby

Kedleston Road Derby, UK

DE22 1GB

Email: ashiq.anjum@cern.ch & a.anjum@derby.ac.uk

Phone: +44 (0) 1332 591881 & 44 (0) 772 4017071

Web: http://www.derby.ac.uk/staff/ashiq-anjum/