

San Andrés Cholula, 12th December 2019

RECOMMENDATION LETTER FOR JAVIER A. ESPINOSA OVIEDO

Javier A. Espinosa Oviedo did his final engineering project, his master thesis and his PhD on the topic "*Non functional properties of service coordinations*" under my co-direction in the Data and Knowledge Management Group that I head at Universidad de las Américas, Puebla in Mexico, and with Prof. Christine Collet and Dr. Genoveva Vargas-Solar of the HADAS group of the Laboratory of Informatics of Grenoble in France. As PhD student inscribed at University of Grenoble, Javier A. Espinosa Oviedo developed his research work seriously and with balance between theory and practice. The work touched different areas like data integration, distributed data processing and query evaluation, cloud architectures applied to astronomic, government and environment databases. Javier Alfonso Espinosa Oviedo understood these topics and integrated them to come up with important results and proposals that have been tested in a prototype implementation.

Javier Alfonso Espinosa Oviedo has been involved in different national and international projects. He was responsible of developing solutions for working packages by interacting with other scientists. He actively participated in the production of deliverables and management of projects financed by the Mexican and French governments, specifically the projects ORCHESTRA, CLEVER, OPTIMACS, e-CLOUDSS (LACCIR), SWANS, FP7 S2EUNET and CASES. I am aware of his important research results that include publication in national and international conferences.

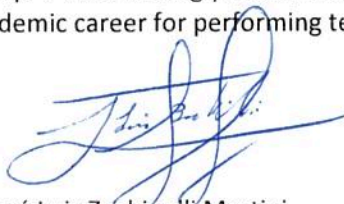
Along his professional career he has been postdoctoral fellow in different institutions including the French Mexican Laboratory of Informatics and Automatic Control (CNRS UMI 3175) in Mexico, the Barcelona Super Computing Centre (BSC) in Spain, and Delft University of Technology, in the Netherlands. He has applied his data management and distributed systems expertise in multi-disciplinary contexts deploying his solutions in different architectures like cluster, cloud, high performance computing.

Apart from the mere technical quality of his work, Javier Alfonso Espinosa Oviedo has a good talent to present his findings. This applies to his thesis that is well conceived and illustrated and thus makes it easy for the reader to follow and understand. But it also applies to the way he understands difficult topics and explains them as well as his results within limited time and for an audience that has not had the opportunity to follow his research closely, or even is not specifically knowledgeable in his specific area.

Javier Alfonso Espinosa Oviedo has also acquired a good teaching experience, preparing courses on state-of-the-art topics, and applying pedagogic techniques that combine theory and practice in a balanced way. He has taught as lecturer in master programs, and he has also prepared tutorials in

thematic schools where the hands-on have been particularly appreciated by the audience. This practice has been done in different countries and institutions which shows his extraordinary ability to cope to different audiences and academic systems. He has also mentored undergraduate and master students in different institutions and he currently co-advises a PhD. Student at the University of Grenoble Alpes.

According to my experience as his advisor and his colleague in different common projects, I am sure Javier Alfonso Espinosa Oviedo is qualified for applying for an associate professor position. This will be important to the institution that will host him because he has valuable ideas to provide and energy to inject in any academic group. I thus strongly recommend him to be certified with outstanding level for developing an academic career for performing teaching activities.



Dr. José Luis Zechinelli Martini

Full Time Professor

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