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## RECOMMENDATION LETTER FOR DR. JAVIER ALFONSO ESPINOSA OVIEDO

To whom it may concern,

Javier Alfonso Espinosa Oviedo finished his PhD at the University of Grenoble under my co-direction, with Dr. Genoveva Vargas Solar, French Council of Scientific Research, and Prof. José Luis Zechinelli Martini, Universidad de las Américas, Puebla in Mexico. His work addressed the modelling and execution of *non-functional properties* (atomicity, logging, security, adaptability) *for service coordination*. The results concern different areas like service based systems, distributed data processing applied to astronomic, government and environment databases. They have been published in national and international conferences. Javier Alfonso Espinosa Oviedo also developed a prototype as a proof of concepts.

Javier Alfonso Espinosa Oviedo work was associated to the project Orchestra financed by the ECOS-NORD program. He also participated in projects financed by programs of the Mexican and French governments ORCHESTRA, CLEVER, OPTIMACS, e-CLOUDSS (LACCIR). He contributed in the proposal solutions by interacting with other scientists. He contributed to the specification and technical design of hands-on exercises concerning data sharding on the Cloud (platforms Azure and GoogleApp), data services based applications (Workflow Foundation platform), and map-reduce based data querying.

Javier Alfonso Espinosa Oviedo is an open person that easily integrates to his work environment. He was also involved in the laboratory's life as president of the PhD students association (LIG Synergy) that organized scientific and social activities for PHD and post-doctoral fellows working in the lab.

Javier Alfonso Espinosa Oviedo is currently postdoctoral fellow at the French Mexican Laboratory of Informatics and Automatic Control. His project concerns economic *cost oriented data processing and brokering*. The objective is to tackle economy-oriented data brokering process of large tagged data collections exported by data markets. He is also involved as external lecturer in the Master "Web, Informatics and Knowledge" of the University Pierre Mendès, Grenoble France.

Given his profile, I support the application of Javier Alfonso Espinosa Oviedo for a postdoctoral position at Microsoft research. I am convinced that his energy, creativity and knowledge of the technology, and software development tools are great advantages for such a position. I thus strongly recommend him as a candidate according to his current status.

Prof. Dr. Christine Collet,  
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