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To Whom It May Concern

Dear Sir or Madam,

My name is Axel Busboom, I am currently a professor for automation and sensor technology at Kempten University of Applied Sciences, Germany. Previously, I was manager of the "Controls and Embedded Systems" group at GE Global Research in Garching, Germany, a group of 15 engineers and applied scientists providing key technology for the GE businesses worldwide.

During that time, I closely worked with **Daniele Ioli** in the context of an EU funded international research project on cyber-physical systems. Daniele at that time was affiliated with Politecnico di Milano and spent a total of six months as a guest researcher at our premises in Germany.

Daniele was tasked with validating and improving algorithms for smart grid controls. To this end, he had to port algorithms and put them into operations on a smart grid test facility, consisting of photovoltaic generation, battery storage, programmable load simulators, and a grid connection. Using historical data, the algorithms optimized the state-of-charge of the battery and the power injected into or drawn from the grid. As part of this system integration task, Daniele had to overcome numerous technical obstacles and challenges, getting commercial-off-the-shelf components to work in ways there were not originally intended for. This also involved paying close attention to safety and regulatory matters.

Danielle worked on this task with an exceptional level of competence, dedication and commitment. He always kept his positive and inspiring attitude, even when faced with difficulties. Daniele showed great problem-solving skills and never hesitated to learn new things. In particular, he very quickly familiarized himself with the experimental setup he was working on – both in terms of hardware and software systems, tools and technologies. He effectively applied his knowledge to the objectives of the project and showed creativity, resourcefulness, and agility when needed.

With his warm, friendly and positive attitude, Daniele immediately became a much respected and appreciated member of our team. He played an important role in the EU funded project by serving as a strong link between Politecnico di Milano and our organization, facilitating a flow of results and experiences in both directions. Daniele thrived in working in our multicultural and interdisciplinary team; he effectively interacted with colleagues from a broad range of cultural and educational backgrounds.

It is my pleasure to recommend Daniele for employment without any reservation. I am convinced that he will be a valuable asset for your organization, both professionally and personally. Please do not hesitate to contact me, should you require any additional information.

Munich, January 28, 2019



Axel Busboom