

Speciale **Spin Offs, Research & Innovation**

# Know-how transfer in the global challenge

A winning synergy filling the gap between university and enterprise

Make a motorbike helmet more comfortable, select the best place for an industrial site, study the impact of a stent on blood flow, envisage the mechanical properties of a fabric: these are only a few of the fields where mathematics can make the difference by simulating and envisaging how interactions will develop, dependant on variation in data. Warrant Group is well aware of this, a company specialized in business enterprise development which, together with Mox, the Mathematics Department laboratory at Milano Polytechnic, created a spin-off capable of developing the best solution for any industrial demand through mathematics. Called Moxoff, it is the first Italian mathematical company to effectively implement transfer of know-how, putting mathematical methodologies, statistical analysis instruments, algorithms and state-of-the-art software at the disposal of enterprises to develop models for scientific calculus. "There is a lot of talk about how research is light years away from entrepreneurial needs – Fiorenzo Bellelli, president of Warrant Group points out – on the other hand it is a well known fact that only those enterprises with an aptitude for product and process innovation succeed in surviving the challenges set by globalization. But it is exactly from the affinity between the far-sightedness of a good research and an entrepreneurial system capable of operating in an innovative context that those enterprising gems able to make the difference in our country's economic fabric are born". Always sensitive to the issue of valorizing aca-



Fiorenzo Bellelli

PH. WARRANT GROUP

demie research, Warrant Group has developed their in-house Warrant Technology Transfer Area, engaged in promoting the process of technological transfer and sharing of know-how, ideas, products, technologies and methodologies between enterprises, universities and research centres, for the purpose of generating and supporting industrial innovation in a systematic manner. Parma University, Padova University and at European level Fundacion Tecnalia Research & Innovation, Universidad Politécnica de Madrid, German Institutes for Textile and Fibre Research Denkendorf and the University of Exeter are amongst the universities and research centres with whom Warrant Technology Transfer Area has struck up a working relation-

ship. Math2Ward is one of the latest European projects where Warrant Group is a partner, the aim of which being to investigate and demonstrate the feasibility and economic potential of a smart numerical simulation platform in support of clinical practices, particularly in the cardiovascular field. Funded by the European Research Council under the Ideas Programme in the Seventh Framework Programme for Research and Technological Development, the project - starting in May 2013 and ending in April 2014 – is headed by professor Alfio Quarteroni from the Ecole Polytechnique Fédérale de Lausanne, followed up by the European Funding Division at Warrant Group and is also participated by Moxoff.

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