



Dear Reader,

welcome to the first issue of the VIMation Journal.

With this journal we want to provide a platform for research as well as industry to exchange new concepts, methods and technologies.

We offer you broad information as well as deep insight in the field of human-machine interaction and models in production – key factors for modern production systems and the industry as a whole.

While mobile and ambient technology is getting more and more into everyday life, it is still a far way to go for good models and industrial application. Also, human-machine interaction – in my view – is increasingly perceived as a success factor throughout the economy.

When VIMation emerged as a virtual institute from the European I*PROMS Network of Excellence, it became clear that we still miss this kind of continuous publication for our field. Our scientific community relies strongly on innovative thinking and exchange of ideas – which are set as goals of VIMation and the VIMation Journal.

Europe's research and economy is growing together making VIMation a truly European Institute, which is also open for our friends in other parts of the world. If you are an innovative thinker, it should not matter how senior you are or from where you come.

Support us in realising this vision of VIMation – submit your own genuine contribution, send us your thoughts about this new journal – and join VIMation.

I wish you a pleasant reading of our first issue.

Many thanks to all supporters who have made this journal become reality – the European Commission, I*PROMS, our Editorial Board, the authors – just to name a few. Thank you!

Thomas Schlegel
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About this Issue

The articles in this special issue describe how interaction and information technology influence services and production. Service-orientation has emerged as a new paradigm for the creation of systems, while new types of models provide a deeper insight and better control of production systems. This issue is giving an insight in the diverse developments and innovations covered by VIMation virtual institute. It includes a broad spectrum from service-orientation to interaction, from inventory to surface measurement and quality.

Imprint

VIMation Journal is the journal of VIMation, the European Virtual Institute for Human Machine Interaction and Models in Production. The journal reports on scientific results, innovations and applications in the field of Human Machine Interaction, Information Technology and Production as well as actions of the partners. It aims to reflect the contribution made by VIMation to the I*PROMS Network of Excellence and the European Research Area as a whole. It provides a forum for the exchange of information between the members of the institute and also the wider scientific community.

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Editorial

Unless otherwise stated, bylined articles, as well as product and service descriptions, reflect the author's or company's opinion. Inclusion in VIMation Journal does not necessarily constitute endorsement by the Fraunhofer Institute for Industrial Engineering (IAO). All submissions are subject to editing for style, clarity, and space.

Circulation

VIMation Journal (ISSN 1866-4245) is published biannual by Thomas Schlegel, Fraunhofer Institute for

Industrial Engineering (IAO), Germany. This issue has a circulation of 500 copies. VIMation membership includes subscription to VIMation Journal. Nonmember subscription rates on request. First issue of VIMation Journal: 1/2008.

Funding

The VIMation European Virtual Institute is part of the I*PROMS Network of Excellence, funded by the European Commission.

Submission of Articles

Please find the information about the Submission of Articles for the VIMation Journal on page 74.

Picture Credits

Cover: Fraunhofer Institute for Industrial Engineering (IAO).

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Art & Layout

Silke Lotterbach, 5gestalten GmbH, Germany, <http://www.5gestalten.de>

Print

dp detzner print, Germany
www.detzner-print.de

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