



- Design for Six Sigma: method for robust product- and process design, set-up of the DfSS Platform Dommel Valley.
- Mecon and Free University of Brussels together on the Fotonica Event 2007.
- Holland Innovative located on the High-Tech Campus, Eindhoven, in the  $\beta$ -centre.
- Reactions

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We like to inform you also in 2007 about a lot of developments of our company.

In March Holland Innovative has signed a cooperation contract with **IBIS UvA (University of Amsterdam)** for Six-Sigma programs.

Together with Aalberts Industries (Industrial Services), IBIS UvA and Philips Medical Systems we have taken the initiative for the organisation of the **Design for Six Sigma** program. The goal is a top program with focus on **design for reliability** and **mutual knowledge exchange** for the top industry to increase **innovation power**. We started the *DfSS Platform Dommel Valley* for rolling-out the DfSS activities.

We have updated our internet-site. On our site you can find the actual information and latest developments of Holland Innovative. Also the training subscription forms and latest developments about design for Six Sigma can be found.

In 2006 we have introduced the **Partner Network Group** on the Precision exhibition in Veldhoven. The Partner Network Group is a group of 5 companies with in total more than 250 specialists in technology development projects, from first idea until complete realisation. In 2007 we like to realise breakthroughs together with you by innovative solutions and availability of up-to-date know-how.

We wish you a lot of pleasure by reading our newsletters. If you are interested don't hesitate to contact us.

Hans Meeske and employees

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## **Design for Six-Sigma: method for robust product- and process design.**

The *DfSS Platform Dommel Valley* started already in April with its first training **Design for Six Sigma** and the second one will start in September. In December we will start also with a training in English language.

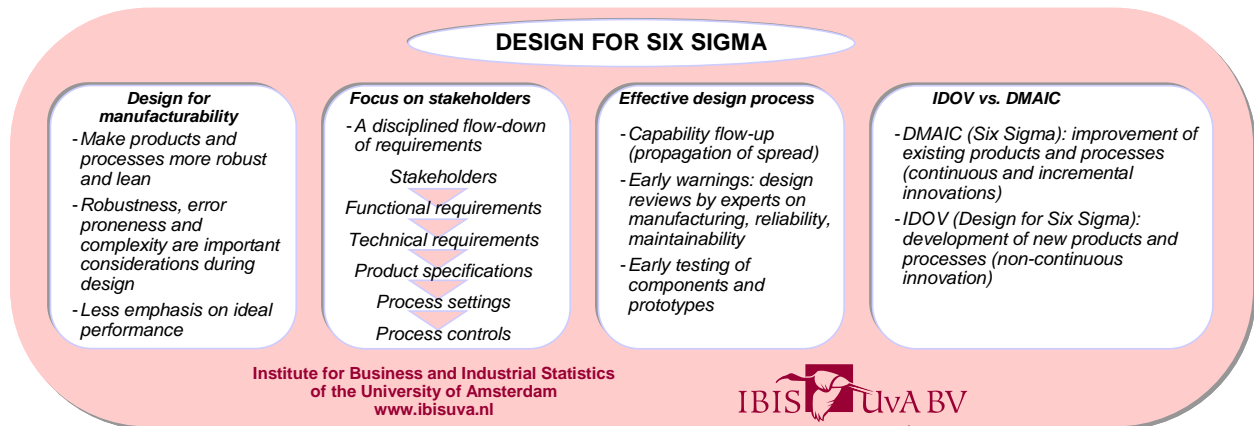
The training will be given by IBIS UvA with contributions of platform members to be able to present the best program in the market. The quality is controlled by IBIS UvA to assure a top-program.

The trainings program will result after final examination and successful finishing of 2 projects to a **university certificate DfSS Blackbelt** at the University of Amsterdam.



In the training we like to emphasize on the following elements:

- Structured way of working according to the IDOV method for product and process development (Identify - Design - Optimize - Verify).
- Structured way of working according to the DMAIC method for improvement and manufacturing processes (Define - Measure - Analyse - Improve - Control).
- Statistical methods for product design, including statistical data analysis, reliability intervals, design and analysis of experiments, process modelling and optimisation, robust designing, tolerance design, quality assurance.
- Statistical methods for reliability engineering and lifetime modelling.
- Management skills for product designers, including personality types, working with resistance and basic project management skills.
- Specific contributions by experts from participating companies of the *DfSS Platform Dommel Valley*: Shainin Quality Principles, Product Creation Process in relation to Design for Six Sigma, ...



If you have any questions about the program or the platform please contact us, if you want to subscribe already you can find the subscription forms on our internet-site.

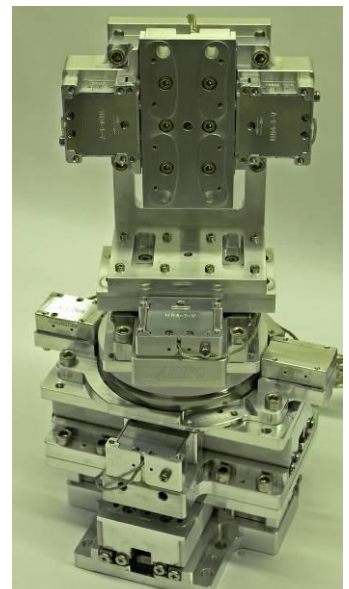
## Mecon and Free University of Brussels together on the Fotonica Event 2007

Proton lithography is a technology for the creation of micro-optical components, started by professor Hugo Thienpont of the Free University of Brussels (VUB) 10 years ago. Professor Thienpont has an international reputation with the development on the discipline of photonics: SPIE fellow 2006, organisation committee Photonics Europe, coordinator Network of Excellence on Micro-Optics, ...

Mecon and the VUB are working together on projects for opto-mechanical realisation of photonic instruments part of which is represented on the Photonics Event in The Hague.

An example project is: "deep proton writing". In the figure beside a picture of the manipulator is represented. In the "deep proton writing" process the optical sample is moved in a vacuum room in the stationary proton beam.

Goal is the pre-defined selective dosing of radiation on the sample. In a next step the radiated parts can be removed by etching or the radiated parts can be increased in volume to a micro lens.





The very-accurate sample-manipulator (6-axis) is of major importance for the right functioning of the complete system. The linear position accuracy is 20 nm, the angle accuracy 0.6 seconds.

Together with the Free University of Brussels photonics projects are executed from concept development until complete engineering and realisation. Via our cooperation with the VUB our customers can get also access to the NEMO-network: [www.micro-optics.org](http://www.micro-optics.org).

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## Holland Innovative on the High-Tech Campus, Eindhoven

In the middle of 2007 Holland Innovative will be located on the **High Tech Campus in the  $\beta$ -building**, next to Philips Applied Technologies, currently under construction and available in August. An inspiring environment in the heart of technology, development and renewals.



**As a result for you** even better availability and accessibility to be able to support you from project engineering and project management until a turnkey project.

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## Reactions

We like to get your feedback. When you have any questions and or remarks we like to ask you to contact us or send an email to: [info@holland-innovative.nl](mailto:info@holland-innovative.nl).

Also when you have any preference for a specific subject we like to hear from you.