

## Forschungsprojekte am HyCentA

Die Schaffung der entsprechenden Infrastruktur erlaubt die Durchführung wasserstoffrelevanter Forschungs- und Entwicklungsprojekte, von denen sich u.a. folgende in einer konkreten Planungsphase befinden: Entwicklung einer Prüfprozedur für Flüssigwasserstoff-Tankanlagen (MAGNA)

Thermodynamische Modellierung und Verifikation eines Tanksystems für flüssigen Wasserstoff (MAGNA, TUG)

Entwicklung und Erprobung von Treibstoffleitungen für flüssigen Was-

serstoff (MAGNA Space Technology, ARC)

Lebensdaueruntersuchungen von Bauteilen unter Wasserstoffumgebung (Montanuniversität Leoben, TUG, ARC)

Themen der Erzeugung, Verteilung und Anwendung von Wasserstoff (StGW, OMV, JR, AVL, TUG)

Wasserstoff-Informationsplattform Österreich (JR) mit Seminaren, Tagungen und Informationsunterlagen.

### Hinweis:

Am 28. und 29.9. 2006 findet im Hörsaal i7 der Technischen Universität Graz, Inffeldgasse 25 das 1. Internationale Symposium „Hydrogen Internal Combustion Engines“ statt.

### Kontakt:

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# Production Science and Management – Study Programme and Institute

## PSM – The Study Programme

Since summer term 2005, a new study programme Production Science and Management (short form: PSM) exists at the Graz Technical University, which is part of the Mechanical Engineering and Mechanical Engineering Economics Study Programme.

The Mission of the study programme is the qualification of students in a society that is characterised by constant technological, economic

and social changes. Success of such an organisational unit can only be ensured by people who are motivated and identify themselves with their jobs because they are able to understand its purpose. Based on modern teaching models, the study programme offers and organises individual qualification services that support people in being in the fore of continually changing processes and new technologies.

PSM ranges from standard training, to individual training, to specific specialist careers and apprenticeship programmes. Taking this into consideration, the main aims of the study programme are sustained development and education of students for their technical, economic and social competence. The subsequent international orientation of this study programme is documented by the selection of teaching staff as well

## Members of Frank Stronach Institute



Institute of Production Science  
and Management



Institute of Automotive  
Engineering



Institute of Tooling  
and Forming



Institute of Vehicle  
Safety

as English being the sole teaching language. Also the admission requirements, an internship of eight weeks in a non-German speaking country and the demonstration of English language skills by appropriate means (e.g. by the TOEFL) are fundamental in this international aspect of PSM. The Programme consists of lectures concerning technical, economic and social matters and meets the requirements of the industry well.

### PSM – The Institute

Besides the study programme, there is a further aspect concerning PSM; the aspect of the PSM Institute, managed by o.Univ. Prof. Dipl.-Ing. Dr. techn. J.W. Wohinz, Curator of PSM. The Institute of Production Science and Management is one of four members of the FSI (Frank Stronach Institute). The other three Institutes are:

The Institute of Automotive Engineering (Leader: Univ.-Prof. Dipl.-Ing. Dr.techn. W. Hirschberg), the Insti-

tute of Tooling and Forming (Leader: Univ.-Prof. Dr.-Ing. R. Kolleck) and the Institute of Vehicle Safety (Leader: Univ.-Prof. Dipl.-Ing. Dr.techn. H. Steffan).

The Institute of Production Science and Management offers several lectures for different issues concerning technical, social and economic competence belonging to the PSM Study Programme. All lectures of the PSM Institute are held by managers from the industry. The location of the PSM Institute is the new building of the Frank-Stronach-Institute.

### Advantages of being a PSM Student

In addition to the interesting aspects of the syllabus, the advantage of studying PSM is the international recognition of this programme. Each Student who has studied PSM can be ensured that he or she has an outstanding reputation in the world of internationally acting enterprises. The requirement

of an internship in a non-German speaking country emphasises this aspect, and is subsequently supported by the PSM Institute, by helping install necessary connections in cooperation with all PSM partners, for PSM students exclusively.

### Further information on PSM

For detailed information on PSM, go to [www.psm.tugraz.at](http://www.psm.tugraz.at), or consult the PSM brochure. This can be found at the Institute of Production Science and Management (Inffeldgasse 11, 8010 Graz) and at the Institute of Industrial Management and Innovation (Kopernikusgasse 24/II, 8010 Graz). If desired, PSM staff will be happy to get into contact with you in a personal conversation.

o.Univ.-Prof. Dipl.-Ing. Dr.techn.  
Josef W. Wohinz  
Dipl.-Ing. Hannes Fuchs