

HIWI JOBS



16th October 2013

Hiwi Job: Go Get it !

- **Date: 16th October 2013**

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Agenda

- Introduction to Hiwis
- Overview Research Institutes
- Important Links
- Personal Experience

What is a Hiwi ?



- Research assistants /Student Assistants are called Hiwi in German universities.

Providing Support Services in Research
Teaching /Library (German)
Related Administrative activities.

} Normal
Tasks

Cluster of Research Institutes : Aachen

- AZL** RWTH AACHEN UNIVERSITY
Aachener Zentrum für integrativen Leichtbau
- WZL** RWTH AACHEN
- ITA** RWTH AACHEN
- ISF** WELDING AND JOINING INSTITUTE RWTH AACHEN UNIVERSITY
- ilb**
- INSTITUT FÜR KUNSTSTOFFVERARBEITUNG** IN INDUSTRIE UND HANDWERK AN DER RWTH AACHEN
- Fraunhofer IPT**
- Fraunhofer ILT**
- ika** RWTH AACHEN UNIVERSITY INSTITUTE FOR ENERGY-CELLS
- ikt.** RWTH AACHEN



Foto: rha, reicher haase architekten
Layout: TEMA AG

Main Research Institutes



Laboratory for Machine Tools and Production Engineering (WZL)

- RWTH Aachen University institute
- Founded in 1906
- 680 employees
- 16,000 m² offices and laboratories



Fraunhofer Institute for Production Technology IPT

- Fraunhofer-Gesellschaft institute
- Founded in 1980
- 350 employees
- 3,000 m² offices and laboratories
- Certified to DIN EN ISO 9001:2000
- Partner in Boston/USA:
Fraunhofer Center for Manufacturing Innovation CMI

Related Research Institutes in Aachen

- ILT : Institute for Laser technik
<http://www.ilt.fraunhofer.de/de/stellen.html>
- IME : Institute of Machines and Machine Element design
<http://www.ime.rwth-achen.de/index.php?id=52>
- FIR : Institute For Industrial Management
<http://www.fir.rwth-achen.de/karriere/stellenausschreibungen>
- ISF: Welding and Joining Institute
<http://www.isf.rwth-aachen.de/index.php?id=8>

Where do I Get a Hiwi ?

Important Links

- RWTH Career Centre
- RWTH Students Forum : <http://maschijobs.de/>
- Bonding : Career Fair December 2013.

- Other possibilities: Werkstudent
- Companies/Research Institutes in Aachen
- FEV / Ford Research Centre / Cero Bearings

My Hiwi Experience

Importance of Temperature in Machining

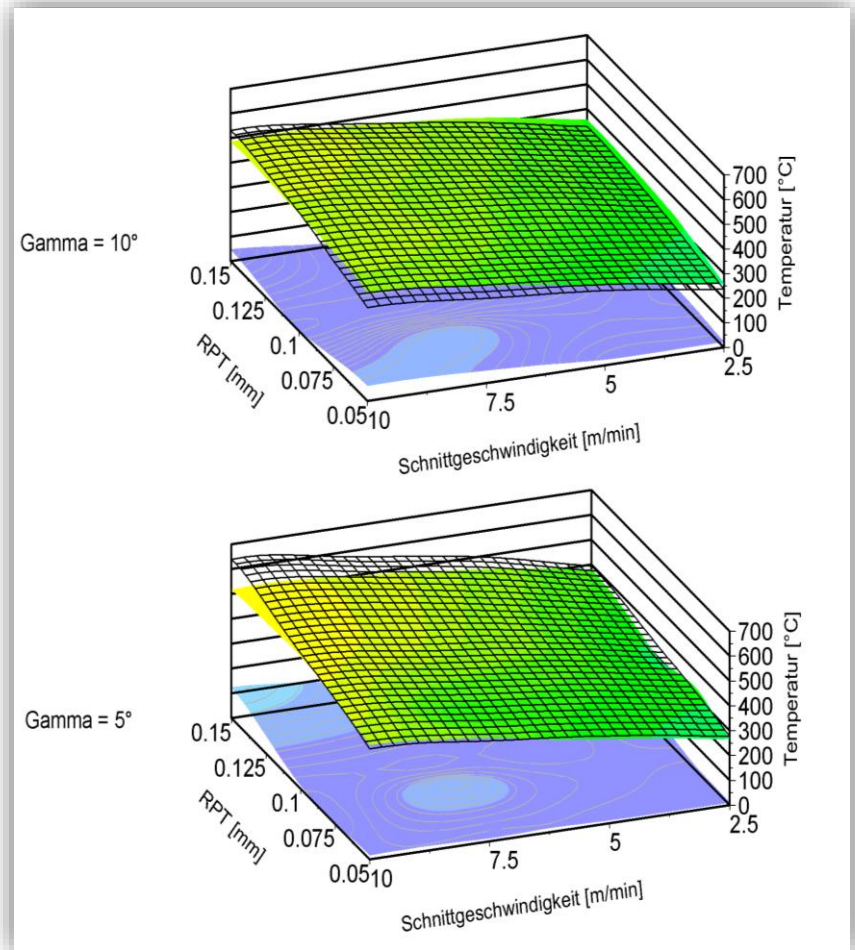
External Broaching
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Approach
for modeling
of metal
cutting

**Cutting Force
Based
Temperature
Model**

Tool wear
Significance &
possibility for
Model
extension

Process Variables :
Cutting Speed
Rise Per Tooth
Chip Compression Ratio
Shear Angle



Personal Experience at WZL

- Student Researcher at the Process Monitoring Department.

Apart From Technical Know How

- German Working Style ,German Language.
- WZL Christmas Event
- TF Annual Fest

Do's and Don'ts : During Hiwi Application

- Incomplete CV
- Desperation
- Dejection
- Study Less

Don'ts

Calling /Emailing the Research Assistants /Professors continuously.
Applying for different positions with Same Application to the team
In complete CV and Documents .
Be Depressed by Rejection
Work more than Study !

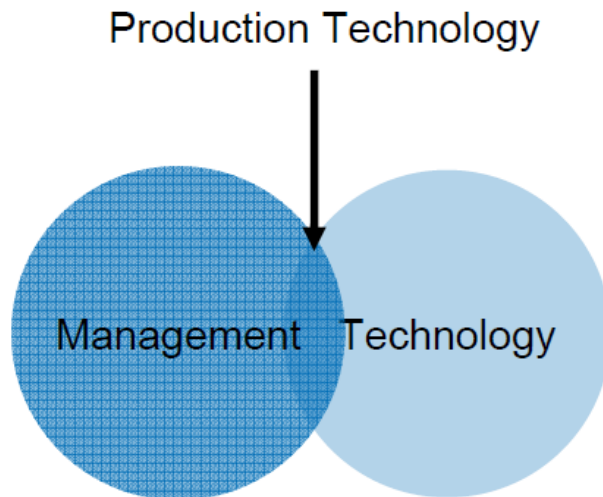
- Adjust Yourself
- Selective Application
- Individuality
- Polite + Patient + Pro Active

Do'S

First priority atleast for first few months :Get Adjusted
Contact Research Assistants + Network Selectively.
Study /Get Good Grades in Relevant Research Area.
Be Patient Polite and Work on your German.
Be Pro-active in Finding out your Interests and never lose hope.

Apart From Work : An Opportunity to Learn

- Learn from one of the best Professors having high reputation in the Industry.
- Opportunity to participate in Indigenous World Class Engineering Research in the form of Student Jobs at Research Institutes.



Thank You!!

All the Best to all the Future Researchers !!! 😊