



The International Academy for Production Engineering

NEWSLETTER

N° 35 – August 2008

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Contributions for the next issue of the Newsletter may send it to the CIRP office in Paris or directly to the editor at: j.meijer@utwente.nl

1. From the President

Dear Colleagues,

It is beginning of August, the month in which our General Assembly will be held. Everything is well prepared and I am looking forward to seeing all of you in Manchester.

Today let me take the opportunity to address an issue which in particular is close to my heart. It is the introduction of research affiliates to our academy. We have developed a procedure to integrate young research workers in our network. The vision is:

**Create a sustainable network affiliated with
CIRP
to promote and to develop
upcoming young researchers in Production
Engineering**



We had a kick-off meeting in Aachen from July 10th to 13th and a workshop, in which more than **30** young production researchers took part. Participant excitement and personal commitment was decidedly high, both specialist and socially relevant questions were discussed by the young participants with a high level of personnel involvement and auspicious operative solutions came out of the discussions. It was a real pleasure to sit relaxed in the last row of the auditorium, just listening and enjoying.

Our young colleagues gladly wish to collaborate in shaping the future. CIRP has provided a forward-looking framework for this. Let us seek out for more developmental opportunities for further intensifying the involvement of the research affiliates. Everything we do for younger generations, we do for the academy and the society as a whole.

It will be my pleasure now to give the floor to the representatives of the affiliates to give a brief inside oft the meeting.

Prof. Fritz Klocke
- President of CIRP -

2. Research Affiliates

Dear CIRP members,

With great pleasure we take this opportunity to briefly summarize our Research Affiliate kick-off meeting in Aachen. We are a group of **8** participants and it is our pleasure to speak in the name of all participants, which numbered around **30** from around the world. The list of participants will be published on the CIRP webpage.

We had a three day meeting in Aachen, which was very well organized. A very warm thanks goes to Barbara, Andreas, Christoph as well as Prof. Klocke for being such wonderful hosts and for keeping their eyes on everything. We worked hard, got to know each other very well and also had a lot of fun during our time in Aachen. Although it is hard to convey the good atmosphere we enjoyed by pictures, we would like to use this newsletter to reflect on some impressions.



Group picture with all 31 participants

The kick-off meeting started on Thursday evening with a barbeque dinner. All participants used this first informal get-together to get engaged in lively discussions and conversations. On Friday morning Prof. Klocke gave a warm welcome to all Research Affiliates in Aachen. In his introduction he gave a brief overview of CIRP and the idea of the Research Affiliate Network.

Following the agenda we started with the presentations of the Research Affiliates on Friday morning. The Affiliates presented themselves, their institutes and organisations and the field of research they are engaged in. This gave everyone the opportunity to identify synergies and potential collaborations in terms of exchanging knowledge. Afterwards, different topics such

as networking, the self-conception of an engineer, international collaboration, knowledge transfer and the role of a PhD were discussed in a teamwork exercise to build up a common understanding of collaboration and co-operation in networks.

On the basis of this composition, it was discussed, how the CIRP Research Affiliates can support the academy. All Affiliates agreed that a benefit concerning scope, subject and aim must be obvious to CIRP and everyone within the Research Affiliates Network. It became obvious that every Research Affiliate was really committed to CIRP and the idea of the academy. During the teamwork exercise the following general statements and actions/recommendations for the CIRP Research Affiliate Network were made by the participants:

Statements and actions regarding our new network:

- Our Network should be of benefit for both manufacturing industry and society. The success of the network depends on its people. We should be a sustainable network although there likely will be frequent personal changes.
- In order to be very effective, the network could be informal and use existing infrastructures. For a flexible information exchange an internet platform could be established (website, forum, newsletter, website, database, etc.).
- The Research Affiliates could have both regular (annual) meetings for general issues discussions and to provide continuity to the network, and meetings and discussions during the General Assemblies as well as during the January Meetings (and also perhaps at CIRP conferences). Specific research results could be presented according to the themes of the different STC's in the traditional way.

Recommendations to CIRP:

- Research Affiliates could use their new network for international and interdisciplinary cooperation, learning from each other while working on global problems.
- CIRP provides an excellent level of education in order to develop specific competencies. CIRP could have an advisory function to approve certain standard (set main requirements) and for orientation of young researchers pursuing their PhD.
- CIRP could pay more attention to under-represented branches like plastic injection moulding and surface finish in serial production (painting).
- CIRP could consider adapting admission of Affiliates to the official meetings. The Affiliates will do their utmost to give valuable contributions.
- CIRP could increase the visibility to the outside to become the leading *and* well-known International Academy for Production Engineering.

To get the network running, the group discussed on issues such as regular meetings, reporting procedures and a contact for internal and external people, and the following suggestions were agreed on:

- The next meeting will be held in Manchester during the coming GA. During this meeting the discussion on specific goals of the network will be continued and detailed. All Research Affiliates participating are invited to join this meeting. It will be organized by the local Affiliates. The meeting will be held on Tuesday evening, so

that it will not collide with the GA programme. Further information will be provided during the GA and prior to it by Email.

- Hans-Christian Möhring from Hannover, Germany, was elected unanimously as the first speaker of the Research Affiliates.
- The idea of a special page for the Research Affiliates on the CIRP homepage and an internal area and server for information exchange will be followed up.

During a lab tour on Friday afternoon Barbara, Andreas, Christoph and Prof. Klocke gave an overview of the production research conducted by both WZL and Fraunhofer IPT in Aachen. Different research machines and devices were visited regarding manufacturing technology, machine tool development, process monitoring, metrology and precision machining.

On Saturday morning a keynote lecture was given on “Risk perception in a technical world”. Prof. Ortwin Renn, a sociologist for technical and environmental questions from Stuttgart University, gave an outstanding and fascinating introduction to this field of research. For most participants this was a new perspective on the engineering research work in general and also on their own work. After the official part a guided tour of Aachen city centre was organized, which took us around the famous Aachen town hall, Aachen cathedral and the Elisa fountain just in footsteps of the Celts, Romans, Pippin and Charlemagne.

On Saturday evening the Research Affiliate Meeting was closed with the Farewell Dinner, which took place in a nice restaurant in Aachen’s “student quarter”. Everyone enjoyed the meal while having deep and vivid discussions. After the meal a special surprise was presented to the guests. All participants received an *Aachen CIRP Survival Kit* which contained the official yellow CIRP Pin for the Research Affiliates, the official participant picture and an original *Aachen Ginger Bread* together with a bottle of *Aachener Schleichkorn* – a hard liqueur from the Aachen Grinding Research Group. At the end of the evening we all raised our glasses to celebrate the Kick-Off Meeting, which to some respect was the Network’s hour of birth, and enjoyed a special *CIRP Research Affiliate Network Birthday Cake*. At the end of the Farewell Dinner Renzo, Arnaud and Guido invited all to come to DTU (Technical University of Denmark) near Copenhagen for the next summer meeting in 2009. On Sunday morning all participants travelled back home.

Finally we like to thank CIRP for giving us the opportunity to become a “more official part” of the academy. We look forward to contributing to the visions and aims of CIRP and say thank you to all members and mentoring Fellows who have been promoting us. Also, we would like to thank CIRP and the Werkzeugmaschinenlabor WZL of RWTH Aachen University for sponsoring this kick-off meeting.

On behalf of all Research Affiliates who participated in this event:

Renzo Akkermann	(L. Alting),
Guido Tosello	(L. De Chiffre),
Robert Heinemann	(S. Hinduja),
Andreas Klink	(F. Klocke),
Hans-Jörg Möhring	(B. Denkena),
Garret O’Donnell	(G. Byrne),
Yasuhiro Kakinuma	(I. Inasaki),
Nikolaos Papakostas	(G. Chryssolouris).

Annex: Some further pictures from the Kick-Off Meeting in Aachen 2008:



Prof. Klocke gives a short introduction of the CIRP Research Affiliates Network idea.



Different topics such as networking and international collaboration were discussed in a teamwork exercise.



Prof. Ortwin Renn, a sociologist for technical and environmental questions from Stuttgart University, gave an outstanding and fascinating keynote lecture to the field of “Risk perception in a technical world”.



During a lab tour Barbara, Andreas, Christoph and Prof. Klocke gave an overview of the production research conducted by both WZL and Fraunhofer IPT in Aachen.



We worked hard, got to know each other very well and also had a lot of fun during our time in Aachen: Guided City tour and barbeque dinner.



At the end of the Farewell Dinner we all raised our glasses to celebrate the Kick-Off Meeting, which to some respect was the Network's hour of birth, and enjoyed a special CIRP Research Affiliate Network Birthday Cake.

3. The 58th CIRP General Assembly

INFORMATION FOR DELEGATES

Venue

The conference will be held in University Place, at The University of Manchester, Oxford Road, Manchester (see enclosed map). If you arrive at Manchester Piccadilly station, it is only a few minutes by bus (number 147 – the Oxford Road Link) or taxi from the Fairfield Street/London Road exit. Walking will take a little longer, approximately 20 minutes.

Registration:

The Registration Desk will be open in the main foyer area of University Place:

Sunday 24 August	12:00 – 19:00
Monday 25 August	08:00 – 08:30
Tuesday 26 August	08:00 – 08:30
Wednesday 27 August	08:00 – 08:30
Thursday 28 August	08:00 – 08:30
Friday 29 August	08:00 – 08:30

On Monday to Friday the desk will be an Information Point during conference hours.

Programme: Please check the website <http://www.cirp2008.org.uk/>.

Messages: Telephone and fax messages will be pinned on the message board, which will be adjacent to the registration desk. Messages can be left by telephoning 0161 306 4098 during conference hours.

Catering: Coffee and tea breaks will be taken in the exhibition area, the main foyer area of University Place. Lunches will be available in the Eats Restaurant within University Place.

WiFi: There is wireless internet access available within the public areas of University Place. A username and password will be issued at registration to those delegates requiring it.

Conference Accommodation: Please check your reservation confirmation for individual details. If any changes need to be made to your reservation, please contact the office, details below. You can check into your accommodation after 2pm and rooms must be vacated by 10 am on the morning of departure. A cloakroom will be available in University Place where luggage can be left prior to check-in and after checking-out from your accommodation.

Social Programme

Sunday	Monday	Wednesday	Saturday
Welcome Reception University Place 19:30 – 21:00	Civic Reception Manchester Town Hall 19:30 – 21:00	Assembly Dinner Mere Golf & Country Club 20:00 for 20:30 until late	Farewell Dinner Hilton Hotel 19:00 for 19:30 until late

There is no formal dress code for the dinners.

Manchester United: Unfortunately, due to the fixture list, we have been unable to arrange a tour of the stadium on Saturday 30 August. If you wish to make your own arrangements for a visit, information will be available at the Information Desk.

Coach Shuttle: A shuttle bus will be operating all day on Sunday 24 August, specifically every hour from 10:00 until 19:00, to transport delegates from conference hotels to University Place. Each morning, Monday to Friday, a coach will transport delegates to the first session and again in the evening. Specific information relating to times and pick-up points, will be provided within the hotel.

Car Parking: We do recommend the use of public transport when travelling to Manchester, but if you do decide to travel by car, parking is available at the Aquatics Car Park (Car Park B on your campus guide) and is accessible via Booth Street East. This is just a short walk from University Place. Current charges are as follows: Up to 2 Hour £2.00 Up to 4 Hours £3.50 Up to 10 Hours £7.50 Up to 24 Hours £7.50

Parking is also available on Charles Street by Weston Hall/Days Hotel: Up to 3 Hours £3.00 Up to 6 Hours £5.00 Up to 10 Hours £8.00 Up to 24 Hours £10.00

Travel: Manchester is served by an international airport, two mainline rail stations and a network of motorways. If you travel by rail, Manchester Piccadilly or Manchester Oxford Road is the closest station.

If you arrive at Manchester Piccadilly station, it is only a few minutes by bus (number 147 – the Oxford Road Link) or taxi from the Fairfield Street/London Road exit. From Piccadilly Station - follow the signs for “Taxis”. If you wish to take the bus, the bus stop is immediately opposite the taxi rank outside the station main entrance. Alight at the bus stop by William Kay House (number 69 on the campus guide), walk back on yourself and University Place can be found on the right.

You may prefer to walk from the station. This will take approximately 15-20 minutes. Upon leaving Piccadilly Station by the taxi rank turn right and cross London Road, then cross Fairfield Street to the Bulls Head pub. Turn down South Pump Street and proceed under the railway arch (passing Echoes Nursery on your right). Turn right at the Vision Centre and follow the red ‘accessible route’ on your campus guide to Sackville Street, turning left at the Gatehouse opposite Natwest and proceeding along Sackville Street. Take the walkway under the Mancunian Way to the left and proceed along Upper Brook Street. Cross the main road at the lights and continue until you reach Tai Pan Restaurant on the left, turning right onto Brunswick Street. At the end of Brunswick Street, turn right onto Oxford Road and University Place will be on your left.

If you travel by air, Manchester International Airport is approx 10 miles from the University. A taxi from the airport should cost around £18. Alternatively, make use of the rail link between the Airport and Piccadilly railway station, which runs every 15 minutes and a single ticket costs approximately £3. The station is adjacent to terminal two of the Airport and is clearly signposted within all terminals.

If you travel by air to Liverpool John Lennon Airport, this is 33 miles from Manchester city centre. A taxi from this airport will cost around £60. Alternatively, make use of the direct bus service, Arriva Airlink 700 to Manchester Piccadilly railway station, which runs every hour. The journey time is 1¼ hours and costs under £10.

Further details can be found at: www.conference.manchester.ac.uk/meetingmanchester/location.

Contact Address for Registration and Accommodation Queries/Amendments

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4. Meetings, Conferences, Seminars

The CIRP and CIRP sponsored conferences are listed in chronological order. There is a hyperlink from the conference name to the website providing all further details.

2008	Conference	Place
3-4 September	1 st International Conference on Process Machine Interactions	Hannover, Germany
16-17 September	11th CIRP Conference on Modeling of Machining Operations	Gaithersburg, USA
21-23 September	2nd CIRP Conference on Assembly Technologies and Systems	Toronto, Canada
1 October	CIMEC	Nantes, France
1-4 October	6th International Conference "THE" Coatings and 3rd International Conference on Manufacturing Engineering - ICMEN	Kallithea-Halkidiki, Greece
8-10 October	The 7th International Meeting IDMME	Beijing – China
20-22 October	5th International Conference on Digital Enterprise Technology - DET	Nantes, France
20-23 October	2nd Int Conf. On Innovative Cutting Processes And Smart Machining	Cluny, France
5-7 November	TRIZ Future' 08	Enschede, Netherlands

2009	Conference	Place
1 January	42nd CIRP Conference on Manufacturing Systems	Grenoble, France
26-27 March	CIRP Tolerancing Conference	Annecy, France
30-31 March	19th CIRP Design Conference	Cranfield, UK
1-2 April	CIRP IPS2 Conference	Cranfield, UK,
2-3 April	Intl Conference on Burrs-Analysis, Control and Removal	Kaiserslautern, Germany
7-8 May	12th CIRP Conference On Modeling Of Machining Operations	San Sebastian, Spain
1-4 June	5th IWC TQM Conference	Belgrade, Serbia
18-21 June	5th Intl Conf. on Design And Production of Dies/Moulds	Kusadasi Aydin, Turkey
16-18 September	3rd CARV Conference	Munich, Germany

2010	Conference	Place
1 January	43rd CIRP Conference On Manufacturing Systems	Vienna , Austria