

# CIRP RA Summer News

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## Editorial



Dear CIRP colleagues,

Welcome to the new issue of the CIRP Research Affiliates newsletter! We are happy to communicate to the CIRP community the updates on the CIRP forthcoming events organized by CIRP RA members. This issue also introduces our new Secretary and gives the chance to our past members to share their experiences as CIRP Research Affiliates.

Warm regards from CIRP-RA newsletter's Editors,

Olga Battaia (Ecole des Mines de Saint-Etienne) & L. Taner Tunç (University of Sheffield)

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## Words from the RA steering committee

by WESSEL WITS, CHAIR



It is my pleasure again to address you in our second RA newsletter. I hope everyone has had a good start in his or her new (research) year. During the past January meeting in Paris, we have elected a new secretary Dr. Taner Tunç. Taner replaces Yasuhiro Kakinuma who

became an associate member. With Taner on board we have continued our RA consolidation journey and we are enthusiastically planning the activities for 2014.

As you are probably aware of, the CIRP Research Affiliate program started just over 6 years ago. This means that since the past General Assembly (24) and Paris meeting (14) a number of RAs has left the program. I want to thank again these first 38 who were really inspirational in establishing the RA culture. The latter 14 are also addressed in this newsletter and some of them were invited to give some inspirational (farewell) words in this newsletter as well.

Fortunately also many new young talented researchers have applied to the program at the Paris meet-

ing. A total of 14 new RAs have been accepted. We warmly welcome them and we are looking forward to meeting them during one of our upcoming activities. The new RAs are also presented in this newsletter.

What happened in Paris? One important thing we decided was to establish an (informal) RA alumni network. This gives us the opportunity to keep in touch with our community even after leaving the program. A LinkedIn group has been created that all RAs are able to join. Please visit <http://www.linkedin.com/groups?gid=6543355> and join if you have not done so already. Through the group discussion pages we can keep in contact and announce upcoming RA activities.

Being an RA and publishing in the Annals is of course hard work and on top of that you need a sponsor for your paper. Ideally the CIRP fellow who sponsored your RA membership can do this, but this is not always possible. In such cases and if you are unfamiliar with other possible sponsors, you are advised to ask one of the officers of your paper's targeted STC. The CIRP headquarters in Paris should not be contacted for these matters.

Most of the upcoming activities are also addressed in this newsletter. I hope to meet you (again) at one of these events.



Figure 1: CIRP RA kick-off event in Aachen in 2008

by L. TANER TUNÇ., SECRETARY

Dear Research Affiliates;

Being a CIRP Research Affiliate since 2012 motivated me to further improve my research activities while providing me a strong opportunity to establish high class research network with researchers all around the world. Obviously, such organizations involve high amount of administrative work to be followed. After Yasuhiro recently became a CIRP associate member the RA steering committee needed a new secretary and I was one of the two volunteers to undertake this duty. It was a big pleasure for me to be elected as the new secretary of the RA steering committee. Considering my past CIRP RA experience I hope and believe that I can contribute to our network at my best effort. I met CIRP at the 9th Workshop on Modelling of Machining Operations held in Bled, 2006. Then, participating in several other CIRP Conferences and publishing in CIRP Annals increased my insight into the CIRP. I thank you in advance for your support to me in such a critical and important duty.

I would like to take this opportunity to introduce myself, shortly. I have completed my MSc in 2006 and PhD in 2010 at Sabanci University, Manufacturing Research Laboratory. Then, I worked for Sabanci University as a lecturer and in the meanwhile I worked for Turkish manufacturing industry as research consultant for about 3 years. Since January 2014, I am working for the University of Sheffield, Nuclear AMRC as Post-Doctoral Research

Associate. My research area mainly focuses on modelling and practical application of multi axis milling processes, machine tool and metal cutting dynamics.

### Words from the RA alumni network

by BARBARA LINKE

I was honored to be part of the RA network and to help getting the network started. Together with Andreas Klink and Christoph Zeppenfeld I organized the kick-off event in Aachen in 2008 (figure 1) - with a birthday cake and intense discussions about how to make the world a better place. An impressive number of around 40 participants showed us the great interest in establishing a group of younger CIRP affiliates.

I have made many friends through the RA network. It is always a pleasure to see actual or former RAs at conferences and it is great to share same experiences. I am really happy to see the RA network grow with more technical discussions and virtual conferences.

by ALESSANDRA CAGGIANO

My experience within CIRP started in 2008, when I had the chance to get to know the CIRP community and participate in the CIRP activities since my first attendance to the CIRP 2008 January Meeting in Paris as invited guest. After that, I entered the CIRP Research Affiliate Network as a young researcher engaged in a PhD pro-

gram on Manufacturing Technology and Systems.

Right away, I realized that this network within the CIRP Academy could offer the unique opportunity to get in touch and interact with young researchers, like me, involved in research activities taking place at top research organizations all over the world. Although this network did not have a consolidated role at the beginning, soon many initiatives were taken to establish fruitful research work collaborations and strengthen the relationship among young members coming from different countries and involved in the same research area. This is the example of the RA Annual Workshops, organized by RAs at their home institutions, the CIRP Global Web Conference - CIRPe, meant to gather together researchers from all over the world through an internet platform, events to which I always participated with enthusiasm as they represented a great experience both from the professional and human side.

As Research Affiliate, I have also been involved in STCs meetings and activities, as well as the CIRP Encyclopedia of Production Engineering, CIRPeDia, as author of various essays.

As regards my future expectations within the CIRP community after my experience as CIRP RA, I wish to participate in future CIRP Conferences and CIRP Meetings, including the Paris meetings and the CIRP GA, with submission and presentation of technical reports and scientific papers.

Moreover, this year I have the privilege to be the Chair of the upcoming 3rd CIRP Global Web Conference on Production Engineering Research: Advancement beyond state of the art - CIRPe2014. The latter is a great experience for me, as it represents the opportunity to collaborate with other RAs like Tiziana Segreto, Islam Shyha and Edwin Bos, who are part of the CIRPe2014 International Organising Committee.

With the scope to hold the connection to the CIRP and the CIRP RAs, I hope that networks such as the RA alumni, including past RAs who have actively and successfully participated and contributed to the CIRP and RA network initiatives and activities during their terms, will represent an interesting opportunity to keep updated on RA initiatives such as meetings, round robins, CIRPe Conference, and to all the CIRP events and initiatives such as CWGs, CIRPeDia, CIRP and CIRP Sponsored conferences, and to hold the collaborations as well as the professional - and human - relationships that were established during my 6 years of affiliation to the CIRP RA network.

### **Forthcoming CIRPe 2014**

by THE CIRPE2014 INTERNATIONAL ORGANIZING COMMITTEE: ALESSANDRA CAGGIANO, TIZIANA SEGRETO, ISLAM SHYHA AND EDWIN BOS

The CIRP Global Web Conference - The interest towards CIRPe is growing year by year as around 35 papers have been submitted to this web based conference

this year. You are cordially advised to read the rest about CIRPe.

CIRPe is an initiative of the CIRP Research Affiliates with the aim to improve the interaction among scientists, researchers and engineers from all over the world in a very accessible way to promote discussion on the latest achievements in Production Engineering.

After the first two editions in 2012 and 2013, the 3rd CIRP Global Web Conference on Production Engineering Research: Advancement beyond state of the art - CIRPe2014 will be held exclusively online at [www.cirpe2014.unina.it](http://www.cirpe2014.unina.it) on June 3-5, 2014.

As happened for the past CIRPe editions, the CIRPe2014 International Organizing Committee includes CIRP Research Affiliates coming from different countries: Dr. Alessandra Caggiano and Dr. Tiziana Segreto from the Fraunhofer Joint Laboratory of Excellence on Advanced Production Technology (Fh-J\_LEAPT), University of Naples Federico II, Italy, Dr. Islam Shyha from Northumbria University, UK and Dr. Edwin Bos from Xpress Precision Engineering B.V., Netherlands.

The Conference will be focused on the following themes of interest for production engineering research:

- Advanced Manufacturing Technologies
- Lifecycle Engineering and Assembly
- Manufacturing Knowledge and Human Interaction
- Manufacturing Systems and Models
- Resource, Energy and Time Efficiency

The CIRPe2014 Conference will take place on a fully internet based platform: paper presentations and interactive technical discussions will be broadcast online during dedicated time slots taking into account the different world time zones. With the aim to realize an open conference attracting researchers and engineers from all over the world, CIRPe2014 attendance is free of charge! In order to have access to the web conference material (download papers, participate to discussions, watch the presentations, etc.) a simple registration on the CIRPe2014 website is needed. CIRPe2014 papers will be published on *Procedia CIRP* (by Elsevier B.V.).

The participation of all the Research Affiliates is highly encouraged, as this conference represents an interesting opportunity especially for young researchers willing to present their research activities and results in the field of production engineering and to get in touch with outstanding researchers and scientists all over the world without need to travel.

The CIRP Global Web Conference is attracting more and more participants every year: around 35 papers will be presented in the next CIRPe2014 edition and one more day has been planned to hold the conference.

We look forward to welcoming you online for the 3rd CIRP Global Web Conference - CIRPe2014!

## CIRP Research Affiliate Workshop 2014

by LOCAL ORGANIZERS: PROF. KRISTIAN MARTINSEN,  
DR. R.S.WADHWA

Research Affiliate Workshop is held once per year in order to encourage collaborations among the research affiliates. It provides also a good opportunity to the RAs to present their research background and potential project ideas. So that, everyone in the network is updated about the others.

This year, RA workshop will be held at Gjøvik University College in Gjøvik, Norway from June 15 to June 17, 2014. Throughout the programme of the workshop there will be technical presentations and team work exercise. The technical visits to Plasto AS and Raufoss Manufacturing Research Park are also a part of the workshop programme.

You are kindly invited to take your place in this friendly and collaborative workshop ambiance. For more information, please visit the workshop website: <http://www.hig.no/forskning/konferanser/cirp>

### Our congratulations to Wessel for receiving an incentive grant for excellence in teaching



Last year, Wessel Wits received a personal incentive grant for excellence in teaching established by the University of Twente to promote and reward excellence in teaching. The personal grant can be used as the grantee sees advantageous for his/her personal development. Wessel has chosen to use the fund to hire a PhD candidate. He reported to us that it was a great honour to receive this grant which was really complementary to the research award he already received for his PhD.

### Members Upgrades

We are proud to announce the that following RAs have been admitted to our network as from January 2014:

- Marcel FEY, Germany, Aachen University

- Peter FONDA, USA, UC Davies
- Sebastian GRAMLICH, Germany, Technische Universität Darmstadt
- Karel KELLENS, Belgium, KU Leuven
- Benjamin KIRSCH, Germany, University of Kaiserslautern
- Tomomi KITO, Japan, The University of Tokyo
- Benjamin KOLKWITZ, Germany, IWT Bremen
- Fulvio LAVECCHIA, Italy, Politecnico di Bari
- Adelaide MARZANO, United Kingdom, Queen's University Belfast
- George MICHALOS, Greece, University of Patras
- Stefania RIZZUTI, Sweden, AB SKF
- Zhengyang XU, P.R. China, Nanjing University of Aeronautics & Astronautics
- Nima ZARIF, Sweden, Sandvik Coromant R&D
- Yongbin ZENG, P.R. China, Nanjing University of Aeronautics & Astronautics

We would also like to warmly thank the following persons, whose membership has expired after 6 years, for their participation:

- Alessandra CAGGIANO, Italy University of Naples Federico II
- Dragan DJURDJANOVIC, USA University of Texas at Austin
- Jörg HOFFMANN, Germany, MAN Truck & Bus
- Lan JIANG, P.R. China, Beijing Institute of Technology
- Yigit KARPAT, Turkey, Bilkent University
- Andreas KLINK, Germany, RWTH Aachen University
- Roland LAREK, Germany, University of Bremen
- Attila LENGYEL, Hungary, Hitachi America Ltd.
- Xinghua LI, P.R. China, Tianjin University
- Barbara LINKE, Germany, University of California Davis
- Xuda QIN, P.R. China, Tianjin University
- Jens SÖLTER, Germany, University of Bremen
- Huaming WANG, P.R. China, Nanjing University of Aeronautics & Astronautics
- Wei WANG, P.R. China, Nanjing University of Aeronautics & Astronautics