



The International Academy for Production Engineering

NEWSLETTER

N° 54 – May 2017

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From the President

Dear Colleagues

CIRP is looking forward to holding its General Assembly in Lugano, Switzerland. I visited the venue and hotels in December, 2016, and discussed the preparation with our hosts Prof. Emanuele Carpanzano, Dr. Wolfgang Knapp, Prof. Gideon Levy, Prof. Konrad Wegener and the key person in the organization Andrea Degiorgi. I also met with the professional conference organizers of the General Assembly. All the hotels are boutique style and walking distance from the conference center. The accompanying persons' program has been organized to visit nice areas with minimum transportation time but with comfortable breaks. The conference organizers were nice to implement our recommendation to make arrangements for group reservations at the CIRP General Assembly and Farewell dinners. We are looking forward to holding a successful and very pleasant General Assembly in Lugano.



CIRP has been discussing methods to improve the attendance of our sponsored conferences. After some discussions with Elsevier, we mutually agreed to allow presentation of CIRP Journal articles at CIRP conferences but without publishing them in the conference proceedings. Each organizer will be free to use the mechanism if it suits their goals. The guidelines are available on the CIRP web site. (<https://www.cirp.net/meetings-conferences/about-cirp-events/sponsorships-conferences-2/118-sponsorships/991-cirp-conferences-can-allow-the-presentation-of-cirp-journal-papers.html>)

Our survey indicated a desire to follow emerging technologies more closely at our paper and technical sessions. Additive manufacturing has been raised as a top priority field. After consulting with all STC officers, the CIRP Board and Council recommended to start a three year long collaborative working group in additive manufacturing. We hope to see a keynote article produced, and assess whether we need to keep dedicating one CWG to focus on an emerging technology at every three years.

The keynote papers are our flagship product to review key manufacturing technologies. They also receive strong attention from academics and manufacturing industry globally. CIRP has been receiving some concerns from our members about maintaining the quality and impact of the keynote papers. Some of the concerns are having too many co-authors, and that some authors are involved in multiple keynote papers at the same time, which may limit their dedicated time in writing a very demanding article with focus and depth. The CIRP Board has been consulting with the past and present Editorial Committee, as well as STC officers to bring some fair guidelines to the keynote proposal and authorship process.

Again, I would like to highlight some of the messages I sent in our previous newsletter. Currently, CIRP has 159 Fellows, 19 Honorary Fellows, 138 Associate Members, 128 Emeritus Fellows, 168 Corporate Members and 114 Research Affiliates. We are operating close to the limit of CIRP capacity, but CIRP has been receiving more Associate and Research Affiliate Membership applications than CIRP can accommodate. The nominations committee has a

difficult task in ranking applicants based on academic excellence and proven research record. Associate Members are expected to actively publish and present their independent research in person in Volume 1 of the CIRP Annals, regularly attend CIRP meetings, and serve on CIRP committees. The pressure of expanding CIRP Membership and oversubscription of Paris attendance is challenging. The Board and Council are studying possible solutions.

We are also pleased to see that it will be the second time at the General Assembly in Lugano that the CMAG Group organizes its own paper session. Three Industrial Technical Papers (ITP) have been recommended by the EC for publication and presentation.

The Board and Council members and I look forward to seeing you in Lugano.

My best regards,

Yusuf Altintas
President of CIRP 2016-2017

From the editor

Dear CIRP colleagues,

It is a pleasure to present the next CIRP newsletter (Nr. 54).

Besides the well used CIRP website (www.cirp.net), the newsletter brings any kind of news from CIRP members and for CIRP members.

All kind of news (news from members, awards, books written by members,...) relevant for our CIRP academy, is always welcome. Input can be sent to the CIRP office (cirp@cirp.net) or directly to me (bert.lauwers@kuleuven.be).



Bert Lauwers
CIRP Technical Secretary

News about Members

NANOMECH, lead by Professor Ajay P. Malshe, wins 2017 Edison Award for Advancing Superplastic Forming

April 19, 2017 Springdale, Ark. - NanoMech Industries has been named a 2017 Award Winner by the internationally renowned Edison Awards™. The distinguished awards, inspired by Thomas Edison's persistence and inventiveness, recognize the top in innovation, creativity and ingenuity in the global economy. This honor is the third Edison Award in four years for NanoMech, a truly historic achievement never before accomplished by an Arkansas-based company.

"It's exciting to see companies like NanoMech continuing Thomas Edison's legacy of challenging conventional thinking," said Frank Bonafilia, Edison's Awards' executive director. Edison Awards recognizes the game-changing products and services and the teams that brought them to consumers.

Third prestigious Edison Award in four years, judged by 3000 plus peers! Great teamwork!!!



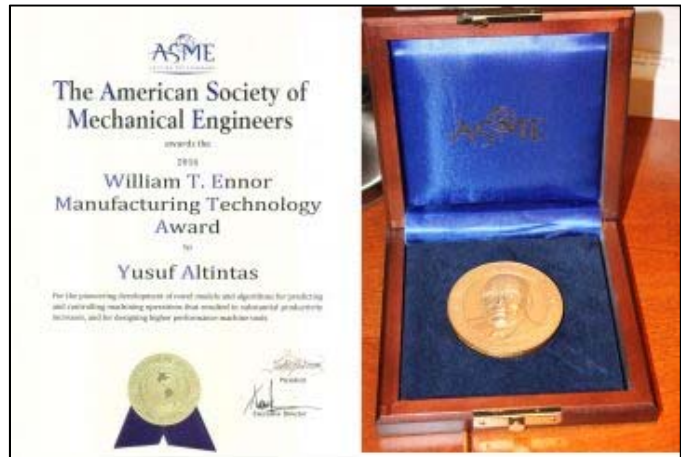
nGlide® Superflo SPF Coating Lubricant

The patented macromolecular powered nGlide® Superflo is a specially formulated, spray-on high temperature coating lubricant that has been engineered to not only increase the efficiency/performance of metal processing, but also to ensure a higher level of protection for the equipment it runs on. It utilizes a blend of proprietary nano-engineered multi-component materials to achieve difficult superplastic metal forming (100%+ sheet metal elongation rate for aerodynamic body) and manufacturing yield. nGlide® Superflo has demonstrated success at SPF (High Temperature Superplastic Forming) with major 30% productivity enhancement, better surface finish and staggering 67% reduction in part cleaning time under severe SPF metal forming conditions. This innovation is based on an environmentally friendly water-based system, easy to apply, non-staining and non-corrosive. Meanwhile, it only costs 33% of legacy product (\$60-75/gallon compared to \$190+/gallon), demonstrating NanoMech's "less-is-more" sustainability mission critical supremacy. It strategically increases industrial competitiveness and consumer value. nGlide® Superflo has the ability to make the SPF process a reality for traditional automotive OEMs such that advanced energy-saving body designs can be manufactured in high volume and at an affordable price.

Edison Award nominations are judged by 3000 plus peers and among 1000 plus worldwide nominations.

Prof. Yusuf Altintas received several awards and recognitions

In November 2016, **Prof. Yusuf Altintas**, received the **William T. Ennor Manufacturing Technology Award**. This yearly award is presented to an individual or team of individuals for developing or contributing significantly to an innovative manufacturing technology, the implementation of which has resulted in substantial economic and/or societal benefits.



In addition, Prof. Y. Altintas has been selected as the **Honorary Professor of Beihang University of China**, and **Distinguished University Scholar in Applied Science at the University of British Columbia**

(<https://apsc.ubc.ca/news/2017/02/distinguished-university-scholar-%E2%80%94-yusuf-altintas>)



Professor Lin Li, President of the Association of Industrial Laser Users - UK

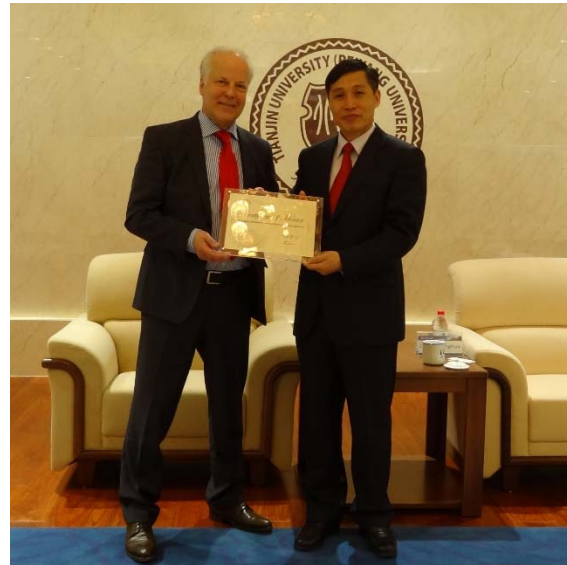


Professor Lin Li has been elected President of the Association of Industrial Laser Users (AILU) for the term 2017-2019. AILU (<https://www.ailu.org.uk>) established in 1995 is a UK based international non-profit organization with members extending over 5 continents, run by the industrial and academic members of laser users involved in activities including manufacturing, healthcare, research as well as suppliers of laser related products and services. An aim of AILU is to promote innovations in laser technologies, productivity and their safe use in industry and academic institutions.

Honorary Professorship for Professor Ekkard Brinksmeier

Professor Ekkard Brinksmeier was awarded an Honorary Professorship from Tianjin University, China, on 27 April 2017. Upon a proposal from our CIRP colleague Professor Fengzhou Fang the highest award of Tianjin University was given to Professor Brinksmeier for his outstanding research achievements in manufacturing engineering and his long-standing collaboration with Tianjin University.

*President of Tianjin University,
Professor Zhong Denghua,
handing over the award certificate
to Professor E. Brinksmeier*



Professor Gerry Byrne receives the Fraunhofer Thaler Award

During his recent visit to Ireland, the President of the Fraunhofer Gesellschaft, Germany, Professor Reimund Neugebauer presented the Fraunhofer Thaler Award to **Professor Gerry Byrne** in recognition of his “outstanding leadership and significant achievements in the field of applied research”. In presenting the award, the President referred to the excellence of the long term contribution of Professor Byrne through activities such as his Presidency of the International Academy for Production Engineering (CIRP). He also noted the recent work of Professor Byrne in support of the development of Fraunhofer in the UK and Ireland. He thanked him for his significant background work in facilitating the establishment



Fraunhofer Thaler

of the Fraunhofer Project Centre (for Embedded Bioanalytical Systems) at Dublin City University in collaboration with the Fraunhofer Institute for Production Technology (IPT) Aachen, Germany. This is the first centre of its kind in Ireland and is supported by Science Foundation Ireland (SFI) and the Fraunhofer-Gesellschaft in Germany. It is thought that Professor Byrne is the first Irish person to receive the Fraunhofer Thaler Award.

Professor Yoram Koren namesake of SME Young Engineer Award

Professor Yoram Koren has been selected by both the SME Board of Directors and the International Awards & Recognition Committee as the namesake of the 2017 SME Outstanding Young Manufacturing Engineer Award. Establishing a namesake for this award honors an individual for their lifelong contributions to manufacturing, their commitment to serving as a role model and motivator for young engineers, and for their long-term active involvement in SME.



Interview with Prof. Em. Jacques Peters

(by Prof. Hendrik Van Brussel)

Professor Jacques Peters was a preferential witness of the genesis of CIRP from the very beginning and ever since, he has been instrumental in turning CIRP into the foremost authoritative scientific organization in production engineering. He is the man of the big picture, rather than of the details. His insight and intuition are legendary. His influence on CIRP was twofold. First directly, through his active commitment in shaping the organization, as a member and as a President (1972-73). His interventions in the STC-discussions and in the General Assembly were to-the-point and feared. Equally important is his influence by creating, during his long career, a world-renowned research lab in production engineering at KU Leuven, of which several professors have been or still are influential and actively contributing to CIRP. Time for a closer acquaintance with a surviving CIRP giant.



You started your career in production engineering in an original way!

Yes, my education path was not the one you would have expected from a professor in production engineering. After my studies at the seminar, during which I obtained a baccalaureate in philosophy and a candidate diploma in mathematics and physics at KU Leuven, I was ordained a catholic priest in 1948. Subsequently, stimulated by my clerical superiors, I turned my attention to studies in engineering, leading in 1951 to a university degree in mechanical engineering from KU Leuven. Immediately afterwards I became an assistant of my father, Oscar Peters, the professor who was called in from industry, by KU Leuven's visionary rector of that time, to set up an education and research programme in production engineering at KU Leuven, from 1930 onwards. In the meantime, I obtained a MSc degree in laser metrology at MIT. After the death of my father, in 1956, I succeeded him as an assistant professor, teaching courses on kinematics and dynamics, manufacturing processes and metrology. Some years later, I was appointed professor in production engineering and I continued and expanded the work that my father started.

I learned that your father was involved in the foundation of CIRP?

Yes, in those days my father already had quite an international network, to which belonged, among others, General Nicolau from France, Dr. Galloway from UK, Professor Bickel from Switzerland. They had a few meetings at my father's home in Leuven to discuss how production engineering could become a scientific discipline, a not-at-all obvious objective in those days. That is how I was a privileged witness of the genesis of CIRP. In 1951, a foundation meeting took place in Hotel Lutetia in Paris, with eight people present, and CIRP was born. Since then, a General Assembly has been held every year, and it is nice to see that all proceedings since 1951 are archived and those after 1960 are now available online on the CIRP Website.

What were the objectives of CIRP?

The main objective was to introduce scientific methods in production engineering, by bringing together the best experts from academia and industry into a scientific organization. A second important aim was to promote the cooperation between academia and industry, not an easy task in a typical industry-orientated field like production engineering. Unique in the organization was, and still is, that, to keep the quality standards high, new members are co-opted by the existing members, and that the membership is limited in number. Unique is also the format of the annual General Assembly, organized in one of the member countries, alternating between Europe, America and Asia. It consists of a three-day conference, where contributed papers are presented, followed by two days of meetings of the different STCs (Scientific Technical Committees) where new developments are discussed in a more informal way. In the beginning years, these committees were mainly dealing with problems around cutting, forming and metrology, but gradually new areas, like EDM, assembly and other new developments, like micro- and nanotechnology, were discussed.

Did CIRP reach their goals?

I am convinced they did. The CIRP Annals are a reflection of the state of the art in all aspects of production engineering. Particularly the keynote papers, bundled in Volume 2 of the Annals, are frequently read by researchers and industries all over the world. They are the result of intense collaborations between the CIRP members of scientific research labs and industry. Perhaps more effort is needed to promote the wider circulation of the CIRP Annals.

Should CIRP remain a closed community or should it become accessible to everyone interested?

In my opinion CIRP should remain a scientific organization with members who are leaders in their research institute or industry and who can carry the message to their organization in an authoritative way. However, we also need young people who can bring new developments into CIRP. I think this is presently sufficiently taken care of by the recently created new membership classes, such as the Research Affiliates Program and the Corporate Members Advisory Group. CIRP is well organized and smoothly running. There is no need for revolutionary new ideas.

I leave Jacques Peters from Populierenhof, the Residence where he is staying, impressed by his sharp memory at almost 94. He still reads the CIRP Annals and keeps himself informed about the ins and outs of CIRP through its Newsletter.

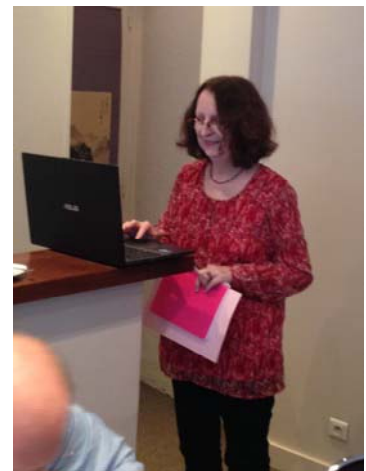
Successful CIRP Winter Meeting 2017

The annual Winter Meeting at "La Mutualité" meeting-centre in Paris has been again very successful. There were total of 448 registrations (an increase compared to last year): 206 members, 56 Corporate members, 61 RAs, and 125 guests. The minutes from all the scientific meetings are available [online](#)





Council Meeting at the CIRP office (Saturday, 18 February 2017)



Council Members reviewing past “ugly ties” at the CIRP office !



The president, past-president and vice-president having dinner in Paris. Making fun, but also discussing CIRP matters.

Papers & Conferences

Our Conferences

For the **most recent overview** of our coming conferences go to:

CIRP Conferences:

https://www.cirp.net/meetings-conferences/cirp-events-col-301/conferences/cat.listevents/2017/05/22/-.html?option=com_jevents&task=cat.listevents&offset=1&category_fv=0&Itemid=200

CIRP Sponsored Conferences:

<https://www.cirp.net/meetings-conferences/cirp-events-col-301/sponsored-conferences/cat.listevents/2017/05/22/-.html>

Future Keynotes Papers

Our keynote papers are the result of an intensive collaboration between specialists working together during several years within an STC. They are important state of the art papers on important (new) technological areas. CIRP members who are willing to contribute are invited to contact the coordinator of each keynote paper:

2018 Keynote Papers proposals

STC A

Life Cycle Engineering of Light Weight Structures - C. Herrmann (2) et al -

Contact: c.herrmann@tu-braunschweig.de

STC C

Deep Hole Drilling - D. Biermann (2), F. Bleicher, U. Heisel (1), F. Klocke (1), A. Shih (2) -

Contact: Biermann@isf.de

STC Dn

Tolerancing : managing uncertainty from conceptual design to smart product - Edward Morse (3), Jean-Yves Dantan (2), Nabil Anwer, Rikard Söderberg (2), Giovanni Moroni (2), Luc Mathieu (1), and other contributors - Contact: emorse@uncc.edu

STC E

Drivers in Advances in Macroscopic Laser Processing - M. Schmidt (2) et al. -

Contact: m.schmidt@blz.org

STC F

Flexibility in Metal Forming - D.Y. Yang (1), M. Bambach - Contact: dyyang@kaist.ac.kr

STC G

Abrasive Machining of Non-Metallic Materials - A. Shih (2), D. Curry, B. Denkena (1), T. Glove, H. Hong, H.-Y. Tsai, H. Ohmori (1), K. Katahira (2), Z.J. Pei, C. Guo -
Contact: shiha@umich.edu

STC O

Value Creation in Production: Reconsideration from Interdisciplinary Approaches - T. Kaihara (2), N. Nishino (2), K. Ueda (1), M. Tseng (1), J. Vancza (1), P. Schönsleben (2), R. Teti (1) - Contact: kaihara@kobe-u.ac.jp

STC P

Geometrical Modeling and Traceability for Computationally-Intensive Precision Engineering or Metrology - J.-M. Linares (1), G. Goch (1), A. Forbes, J.-M. Sprauel, A. Clement (1), F. Härtig, W. Gao (1) - Contact: jean-marc.linares@univ-amu.fr

STC S

Multi-scale Analyses and Characterizations of Surface Topographies - C. Brown, H.N. Hansen (1), J. Jiang (1), F. Blateyron (3), J. Berglund (3), N. Senin, M.K. Thompson –
Contact: brown@wpi.edu

Cross-STC

Composite Material Parts Manufacturing – J. Fleischer (1) et al. -
Contact: juergen.fleischer@kit.edu

Cross-STC

Bio-Inspired manufacturing - A. Malshe (1) et al. - Contact: apm2@uark.edu

2019 Keynote Papers proposals

STC A

Symbiotic Human-Robot Collaborative Assembly - L. Wang (1) et al. Contact: lihuiw@kth.se

STC C

Biomaterials Machining: From Scientific and Technology Advances to Medical Applications - D. Axinte (1) et al. - Contact: dragos.axinte@nottingham.ac.uk

STC Dn

Development capabilities for Smart Products - T. Tomiyama (1) et al. -
Contact: t.tomiyama@cranfield.ac.uk

STC E

Visualization of Electro-physical and Chemical Processes - M. Kunieda (1) et al. -
Contact: kunieda@edm.t.u-tokyo.ac.jp

STC F

Theoretical and Heuristic Prediction of Process Limits in metal forming - W. Volk (2) et al. -
Contact: wolfram.volk@utg.de

STC G

Abrasive Processes for Micro Parts and Structures - J. Aurich (1) -
Contact: aurich@cpk.uni-kl.de

STC M

Robots in Machining - A. Verl (2) et al. - Contact: alexander.verl@isw.uni-stuttgart.de

STC O

Global Production Networks - G. Lanza (2) et al. - Contact: gisela.lanza@kit.edu

STC P

Geometrical Metrology for Metal Additive Manufacturing - R.K. Leach (2), D. Bourell (2), S. Carmignato (2), W. Dewulf (2), H. Hansen (1) - Contact: richard.leach@nottingham.ac.uk

STC S

On-machine and in-process surface metrology for precision manufacturing – W. Gao (1), H. Haitjema (2), Y.L. Chen, F.Z. Fang (1), R.K. Leach (2), C.F. Cheung (2), E. Savio (2), J.M. Linares (1) - Contact: gaowei@cc.mech.tohoku.ac.jp

Cross-STCs

Advanced Manufacturing for Enhancing the Performance and Functionality of Tooling for Metal Forming - J. Cao (1) et al. - Contact: jcao@northwestern.edu

2020 Keynote Papers proposals

STC Dn

Design for Additive Manufacturing, Theories, Models, Tools and Methods - T. Vaneker (2) et al. - Contact: t.vaneker@ctw.utwente.nl

STC E

Space Manufacturing - Bernard Hon (1) et al. - Contact: hon@liv.ac.uk

STC M

Energy Efficiency in Machine tools - B. Denkena (1) et al. - Contact: denkena@ifw.uni-hannover.de

STC O

Big data analytics and utilization in future smart factories - R. Gao (1) et al. - Contact: robert.gao@case.edu

STC P

Physical artifacts for establishing traceability in dimensional metrology - L. De Chiffre (1), S. Carmignato (2), H. Bosse (3), R.K. Leach (2), A. Balsamo (1), W.T. Estler (1) - Contact: ldch@mek.dtu.dk

STC S

Surface Integrity of Machined Components - Y.B. Guo (2) (under discussion)

Cross-STCs

Self-Optimizing Machining Systems – H.C. Möhring (2), P. Wiederkehr, K. Erkorkmaz (1), Y. Kakinuma (2) - Contact: hc.moehring@ovgu.de

2021 Keynote Papers proposals

STC E

Additive Manufacturing in Emerging Manufacturing Systems and Economy - P. Butala (2) et al. - Contact: peter.butala@fs.uni-lj.si

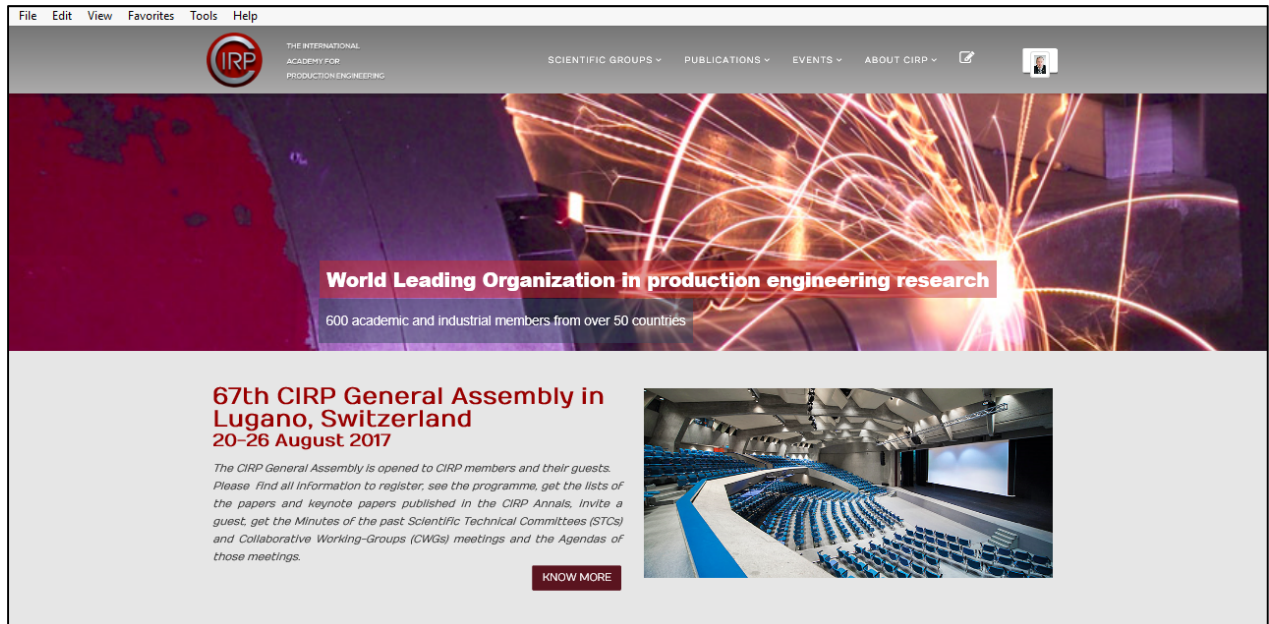
STC M

Noise and Vibration in machine tools (under discussion)

STC P

Precision Engineering Design principles from micro-machines to large scale systems - J.A. Yagüe-Fabra (2) et al. - Contact: jyague@unizar.es

Our new responsive CIRP website



The CIRP website (www.cirp.net) has been migrated to a new responsive one. There are new layouts of the Home page and the Dashboard. Please have a look and take time to discover all the information provided, particularly in your new Dashboard.

If you click on the CIRP logo at the top of any page, you go back directly to the Home page, and you have a direct access to your Dashboard if you click on the little pen on the left of the Login.

The responsive layout makes it easier and more convenient to reach our website from your smart phone or tablet.

From your smart phone, you will find a vertical layout out with a so-called "Hamburger" menu near the Login, opening a vertical window with links. The layout is still under finalization during some weeks.

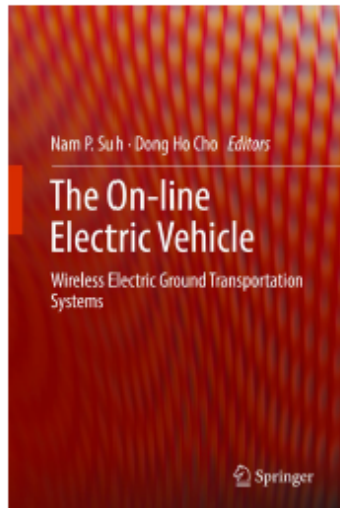


New books from our members

The On-line Electric Vehicle

Wireless Electric Ground Transportation Systems

Suh, Nam P., Cho, Dong Ho (Eds.)



1st ed. 2017, XXI, 402 p. 177 illus., 63 illus. in color.

Printed book

Hardcover

- 114,99 € | £86.00 | \$129.00
- *123,04 € (D) | 126,49 € (A) | CHF 126.50

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N.P. Suh, D.H. Cho (Eds.)

The On-line Electric Vehicle

Wireless Electric Ground Transportation Systems

- Shows how the use of new transportation technology can contribute to the reduction in greenhouse gas emissions and consequent climate change
- Illustrates how wireless electric power transfer can make transport more efficient by removing the need for constant battery recharging
- Provides a basis by which wireless power transfer can be developed for other industries
- Contributes to the development of smart grid technologies
- Enables readers planning large transportation projects to use design methods which promote timely and to-cost delivery
- Takes advantage of experience gained from real implementation in four Korean cities

This book details the design and technology of the on-line electric vehicle (OLEV) system and its enabling wireless power-transfer technology, the "shaped magnetic field in resonance" (SMFIR). The text shows how OLEV systems can achieve their three linked important goals:

- reduction of CO₂ produced by ground transportation;
- improved energy efficiency of ground transportation; and
- contribution to the amelioration or prevention of climate change and global warming.

SMFIR provides power to the OLEV by wireless transmission from underground cables using an alternating magnetic field and the reader learns how this is done. This cable network will in future be part of any local smart grid for energy supply and use thereby exploiting local and renewable energy generation to further its aims.

In addition to the technical details involved with design and realization of a fleet of vehicles combined with extensive subsurface charging infrastructure, practical issues such as those involved with pedestrian safety are considered. Furthermore, the benefits of reductions in harmful emissions without recourse to large banks of batteries are made apparent.

Importantly, the use of Professor Suh's axiomatic design paradigm enables such a complicated transportation system to be developed at reasonable cost and delivered on time.

<https://link.springer.com/book/10.1007/978-3-319-51183-2>

Expectations and Disappointments of Industrial Innovations

G. Halevi



1st ed. 2017, XI, 131 p. 11 illus.

Printed book

Hardcover

- 86,99 € | £64.99 | \$99.00
- *93,08 € (D) | 95,69 € (A) | CHF 96.00

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G. Halevi

Expectations and Disappointments of Industrial Innovations

Series: Lecture Notes in Management and Industrial Engineering

- Showcases industrial innovations and summarizes reasons for possible failure
- Shows why remarkable technology advances in one field may cause disruptions in manufacturing
- Demonstrates how to put research on the right track and how to restore flexibility and simplicity

The Integrated Manufacturing System (IMS), Group Technology, Numerical Control, and Computer Aided Design (CAD) were four outstanding innovations that were one-time milestones of scientific industrial management. This book describes the expectations and disappointments of the common pitfalls of these ingenious ideas, which leads to understanding of their gradual disappearing, and proposes a way to restore these methods for long term utility and value.

The first three innovations dominated the industry till the mid-1970s. Surprisingly, the reason for them being replaced is the same: research of the "routine" was misleading regardless of its ingenuity. In the fourth case, CAD does not support CAPP (Computer Aided Process Planning) and thus Numerical Control could no longer support developments of a system such as a flexible and automated factory. However, they incorporate many features in a specific resource instead within a manufacturing system. CAD technology and machining centers remain remarkable as a specific (unique) manufacturing resource. This work proposes ways to revive these innovations for the future.

Innovation is a driver for the development of new products and production methods. It should be an integral part of a system and not pursued for its own sake. This volume shows, explains, and remedies this by treating these interesting examples.

<https://link.springer.com/book/10.1007/978-3-319-50702-6>

From the CIRP Office



Chantal Timar-Schubert

Annals papers and keynote papers submission process, CIRP meetings, the Website, candidatures for Membership, Internal Regulations and any internal information.



Agnès Chelet

Financial aspects: accountancy, membership fees, page charges, conferences sponsorships, Winter meetings registration + Agendas & Minutes of the scientific meetings

News

- General Assembly in Lugano: All information on the next CIRP General Assembly is available online on the Website, through "EVENTS" → 2017 CIRP General Assembly. If not done yet, please urgently book your hotel as this is a very touristic location!
- Should you find any problem on the new website, please be kind to tell us!
- Candidatures to be presented during next General Assembly are closed. The deadline to propose candidates for the next Winter meeting is on December 1st.

With kind regards,

Chantal

Future Meetings

Winter Meetings	General Assemblies
21-23 February 2018, Paris 20-22 February 2019, Paris	20-26 August 2017, Lugano, Switzerland 19-25 August 2018, Tokyo, Japan