



## AACII AEROSPACE MOBILITY NEWS 03/2025

### PARIS AIR SHOW SHOWS LATEST RESEARCH AND INDUSTRY INNOVATIONS



For over 100 years, the Paris Air Show has been the world's leading aerospace event – and this year, another exciting Expert Talk took place at the Vienna University of Technology stand.

Following the AACII Congress and the third expert talk at TU Wien, this event once again welcomed leading figures from research and industry:

The keynote speaker for research, Prof. Dr.

Michael Weigand, presented the latest research advances at the stand. Dr. Peter Glöckner, CEO of Schaeffler Aerospace, gave an overview of outstanding contributions to aircraft sustainability. Tim Sowa, CEO of Aerospace Transmission Technologies, a joint venture between Rolls-Royce and Liebherr Aerospace, offered exciting insights into the context of the Rolls-Royce Ultrafan programme.

The event was opened by Ulrike Trapp, AACII – Aviation Aerospace Congress Interdisciplinary International emphasising the importance of cooperation between science and industry.



From left: **Dr. Johannes Hartmann**, Airbus; **Dr. Ing. Niclas Dzikus**, EU Commission Research; **Prof. Dr.-Ing. Martin Behrens**, Technical University Vienna; **Ulrike Trapp**, CEO AACII; **Erwin Doczy**, CEO Consultancy Aerospace-Marine-Transport Systems Vienna

**Editors: Ulrike Trapp, Valentin Schalit**

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## AACII NEW GENERATION HOSTED AT THE MUSEUM OF FUTURE NUREMBERG



The New Generation Expert Talk was opened with a welcome address by Norbert Dünkler, Member of the Bavarian Parliament and member of the Bavarian Parliament's Education Committee. He described the dialogue between science and practice as an important stimulus, as Bavaria is known as the number one state for education. This is particularly significant in the current climate of transformation.

Aron Schoepf explained the concept of the Deutsches Museum in Nuremberg, which exhibits future-oriented technologies. Almost half a million visitors have shown interest since it opened. The Expert Talk followed the AACII Aerospace Congress, where



New Generation was very well received as a focus. In spring, 300 participants from 20 countries also experienced the New Generation Forum on stage in Nuremberg, as well as great projects in the exhibition with Interior Minister Joachim Herrmann. Ulrike Trapp from AACII announced the speakers in the packed lecture hall.



Everyone was fascinated by the new educational robot PIB from Isento, developed by Dr Jurgen Baier, Dr Shota Okojava and Thomas Graebe.

Outstanding innovations from Aerotech Transmission Technologies ATT were presented by CEO Tim Sowa, a joint venture between Rolls Royce and Liebherr Aerospace.



Dr Axel Müller from OHB presented the unique satellite production with its projects, drawing heavily on his inspiration from his education at Stanford University: "We face major challenges, particularly in space travel. These range from security, climate change monitoring and modelling to reliable global data transfer. In addition, the companies involved are facing a growing demand for skilled workers coupled with a decline in the number of students in strategically important STEM subjects. The exchange at the very fitting Museum of the Future in Nuremberg has initiated a dialogue between initiatives at schools, universities, various small and large companies, and at the political level. It has become clear that approaches are being pursued everywhere that will need to be coordinated in the future."

Schaeffler Aerospace projects with a focus on sustainability was the topic addressed by Adrian Popp, winner of the AACII New Generation Award.



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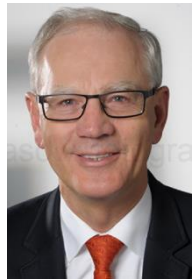




Itonics is well known in the field of cyber security software. CEO Dr Christian Mühlroth impressed with his new approaches and spoke about technology, strategy, transformation and innovation management at Itonics.



The cyber company Lantech has exciting prospects, as presented by CEO Günter Meixner, who raised awareness of the new CRA regulations in the field of cyber security in industry and the successful integration of IEC62443-4-2 into Lantech switch products.



Prof Siegfried Balleis, head of the New Generation Forum at AACII, spoke at Innovation Day Erlangen on 25 September 2025. Diana Al Jabour, head of the satellite project in Jordan, reported on the New Generation Forum. The Technical University of Würzburg Schweinfurt (THWS) is linked to the German Jordan University Amman. Mr Karl Jantsch explained this special position among universities with Ala Awali from Jordan. This has now earned a global award.



The VDI Association of German Engineers promotes young talent with a wealth of potential, which attracted great interest through the speech given by the coordinator, Mr Matthias Gundermann.

Uli Herwanger is an AACII award winner because he motivates students to do their best at the Willstätter Research Centre. This has produced many award winners, including the exhibitors at the AACII who won first prize in Jugend forscht Deutschland. Prominent personalities from Fürth include Henry Kissinger and Ludwig Erhard.



The Wilhelm Löhe University was named after the famous Fürth native, according to President Clemens Werkmeister.

All eyes were on the FAU Friedrich Alexander University airship at the congress. Niklas Heidenreich explained the scientific feat behind it.



Lorena Nicotera from the Max Planck Institute in Cologne spoke about exciting developments for space.



Boston's Harvard University is known for being very selective and accepted only one German student into its summer programme last year: Sanyukt Mishra with his project. He comes from the AACII Astrokids circle. The video message from AACII Astrokid correspondent Alex Hugo Sobczek from Brazil came to us from the Space Museum there.



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The N2ORTH experimental rocket from the HyEnd university group at the University of Stuttgart, which is set to break a world record soon. See the link for more information.: <https://1drv.ms/f/c/9948089343b9672d/EsOtMe1NdOtEgh6seEXUgggBojXIsKDOOn>

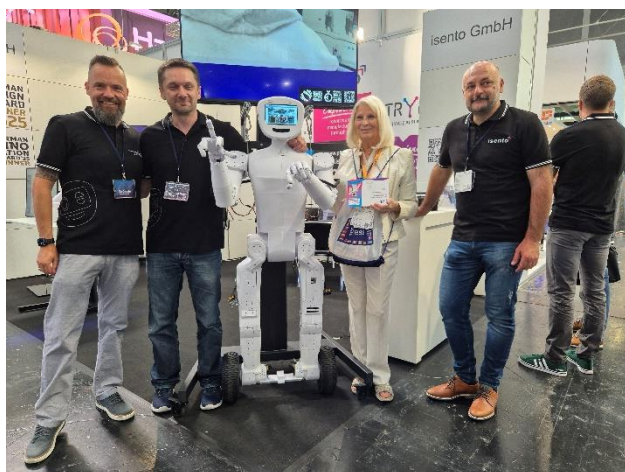
WARR stands for the Scientific Working Group for Rocket Technology and Spaceflight at the Technical University of Munich (TUM), headed by Richard Emeder as a student research group.



The two Franconian students, Günay Can and Johannes Ritter, from the University of Stuttgart, received first prize in the German Aerospace Competition for their Inferno aircraft project.



## INSENTO ROBOTS REVOLUTIONISE EDUCATION



The humanoid educational robot pib, produced using a 3D printer, is a sensational open-source project, according to visitors at the automatica trade fair in Munich. Isento's approachable robotics and collaborative development are proving very popular.

The pib has now also been given legs, marking another major step forward in its development!

The photo shows Dr Jürgen Beier, Dr Shota Okojava and T J Graebe from Isento with Ulrike Trapp, AACII Aerospace Congress. She says that we can achieve so much together.

## PROF. DR. SCHILLING ANNOUNCES REMARKABLE PROGRESS IN QUANTUM COMMUNICATION

Another step forward for quantum communication: BMFTR State Secretary Dr Rolf-Dieter Jungk, flanked by Prof. Dr Klaus Schilling ZfT, small satellite manufacturer, on the left, and Prof. Dr Christoph Marquardt FAU on the right, quantum key expert, launches the scientific quantum experiments on the QUBE small satellite.



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EVENT CALENDAR

SEPTEMBER 2025

01	03	Saudi Drone Exhibition SADEX	Riyadh, KSA
23	25	Deutscher Luft- und Raumfahrtkongress	Augsburg, GER
24	26	Energie Campus Nürnberg, FAU	Nuremberg, GER
25	26	Int. Conf. on Electric Airships	Nuremberg, GER
28	30	Jeddah Construct	Jeddah, KSA
29	01	Messteli Intersec	Riyadh, KSA
29	03	Int. Astronautical Congress IAC	Sydney, AUS

OKTOBER 2025

02	03	Toulouse Space Week	Toulouse, FRA
06	08	Multi-Satellite Systems IFAC CAMSAT 2025	Würzburg, GER
07	09	it-sa Expo&Congress	Nuremberg, GER
07	09	Inter Airport Europe	Munich, GER
14	14	NextLevel Robotics	Munich, GER
20	26	Czech Space Week	Prague, CZE
28	29	Thinknet 6G Summit	Nuremberg, GER

NOVEMBER 2025

03	03	Int. Conf. New Space Economy Expoforum	Prague, CZE
04	05	Cyber Security Conference	Cologne, GER
05	06	Mexico Aerospace Forum	Mexico City, MEX
13	15	New Mobility Green Auto Summit	Stuttgart, GER
17	21	Dubai Airshow	Dubai, UAE
18	20	Space Tech	Bremen, GER
24	25	Future Battery Forum ECC	Berlin, GER

DECEMBER 2025

01	05	Cyber Summit	Munich, GER
10	11	Aviation Forum 2025	Hamburg, GER
10	12	New Space Economy Expoforum	Rome, ITA

JANUARY 2026

12	14	Intersec Dubai	Dubai, UAE
28	29	European Space Conference	Brussels, BEL

FEBRUARY 2026

08	12	Defence Show	Riyadh, KSA
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23	25	Enforce	Nuremberg, GER
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## MARCH 2026

04	06	Space Comm Europe	London, GBR
23	27	Munich Space Week	Munich, GER

## APRIL 2026

04	06	Symposium on Space Educational Activities	Munich, GER
07	12	FIDAE Aerospace	Santiago, CHI
08	10	Symposium on Space Education	Munich, GER
23	27	Munich Space Week	Munich, GER
20	24	Hannover Messe	Hannover, GER

## JUNE 2026

10	14	ILA Berlin	Berlin, GER
15	19	Eurosatory	Paris, FRA

## JULY 2026

07	08	Les Assises du NewSpace – French Space Summit	Paris, FRA
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