



Leadership is solving problems. The day soldiers stop bringing you their problems is the day you have stopped leading them. They have either lost confidence that you can help or concluded you do not care. Either case is a failure of leadership.

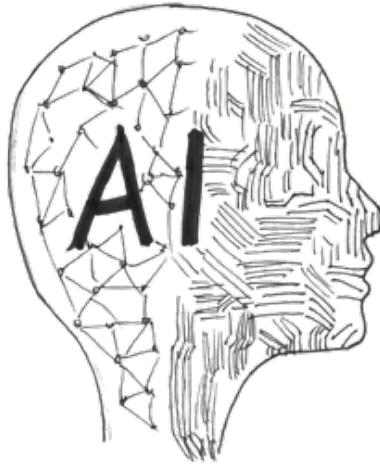
Colin Powell

CEO's Note

Dear Reader,

Chat GPT or news from the search engine Bing have shown us, the public, in a very short time what the next technical revolution will be that will find its way into our everyday life: artificial intelligence (AI). The rapid development towards everyday applications is breathtaking. While not long ago we solved almost all software tasks algorithmically, we will solve the same tasks using AI. Simply much faster and error-free. Especially when 3D sensor technology comes into play, there is not much that can be done in complex environments using algorithms.

We will (have to) learn how to optimally train our computers in the devices for their tasks. How we teach them the right and wrong solutions so that they then make the right decisions. For example, a person is standing, sitting or lying in any room. This task This seemingly simple task alone is algorithmically very demanding. Because clear parameters are difficult to define. The person can be big or small. Therefore, deducing the position from the height of the object should not lead to the goal.



AI will dramatically change the job of programmers. The question that the programmer has to face will no longer be how to program his algorithm. The question will be how do I train my AI machine. Which situations should lead to which results? Which are relevant situations and which are not? Which give a clear statement and which don't.

How many times has a turning point in time been conjured up. 1979, 1989, 2012, 2020. Again and again. In politics, in particular, people often speak of a turning point. Shortly after the war began, German Chancellor Scholz said that the Russian invasion of Ukraine marked "a turning point in the history of our continent." The word "Zeitenwende" (turning point) was voted Word of the Year in Germany. Certainly, the brutal Russian attack on Ukraine has led to a rethink in politics, especially among the pacifists. But compared to the proliferation of AI, this will (hopefully) be a side note in human evolution. Anyone who does not deal with AI now will be hopelessly

left behind.

Beat De Coi

ESPROS TOF & LiDAR Technology Day proves great success



Speaker: Kurt Brendley, PreAct Technologies

We recently held our TOF & LiDAR Technology Day at the Hiller Aviation Museum in San Carlos, California. Thirty invitees were given an in-depth look at the vast commercial application possibilities for this powerful 21st century technology. "We were able to underline ESPROS' global leadership in Time-of-Flight, chips and modules. And our

specially compiled Photonics formulas was very well received by participants", explains ESPROS' Managing Director North America, Uly Grisette. Impressing was the broad range of applications into which the TOF technology has been deployed. From robots to logistics, through medical to IoT, smart cities, safety and security. And the number and range of applications is growing. It was also great to see that the know-how to implement successfully the TOF technology is greatly increasing. We are not talking about parasitic effects in a particular implementation. We are talking about the most efficient way to implement the use case into a powerful and still modular TOF camera.

We were especially pleased with the feedback about the performance of our chips. As customers stressed the advantages we have over the competition, particularly when it came to the epc660. "The fully booked seminar enabled a great exchange of ideas and solutions between speakers and participants, proving the immense value of these regular seminars in a rapidly advancing world." he continued.

India-Germany-Switzerland: Priyanka's journey to ESPROS

What is your job at ESPROS?

I am currently working as an IC-test Engineer in our R&D department. I am responsible for the development of software for testing ICs.

How long have you been working at ESPROS?

I've been here for almost 2 years.

What do you most enjoy about your job?

I enjoy the day-to-day challenges that I face in order to ensure continuous production. I find the job interesting since you have to have knowledge in several domains (electronics and software) and understand the process thoroughly.



Priyanka with the legendary filmmaker Yash Chopra in Interlaken

Where are you from originally and where do you now live?

I was born and raised in India. In 2015 I moved to Germany to pursue my Masters and worked there for 6 months. 2021 I started my job here in Sargans. I live in Landquart with my husband.

What do you like to do in your spare time?

In my spare time I go to the gym for training or go outside for a walk. I also like cooking Bengali cuisine.

TrueSense Flash LiDAR system uses epc660

The epc660 lies at the heart of the TrueSense T30P flash LiDAR system for advanced driver-assistance systems (ADAS), self-driving, and robotics.

PreAct Technologies, an Oregon-based developer of near-field flash LiDAR technology, recently announced that its T30P flash LiDAR is now available. Vehicles with software-defined architectures require sensor technology that can support over-the-air updates over the life of the vehicle, and PreAct's T30P sensor is the only flash LiDAR capable of meeting this requirement. As the industry's first sensor designed from the start to be software-definable and easily integrated into a complete ADAS or autonomous vehicle software stack for automakers.



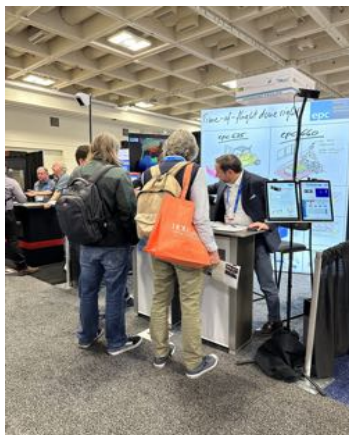
TrueSense T30P flash LiDAR system

The T30P provides future-proof, high-performance sensing at a much lower cost than other LiDARs on the market. PreAct's TrueSense T30P flash LiDAR system for advanced driver-assistance systems (ADAS), self-driving, and robotics uses the ESPROS epc660 sensor and provides time-of-flight imaging illumination of 940 nm IREDS; 4700 mW/sr maximum radiant intensity, 108° × 77° viewing angle, 320 × 240 resolution, range of 0.1 to 20 m at 10% reflectivity, and 125 fps max full 3D frame rate.

More information and the PR [here](#).

Deals sealed and products pushed at SPIE Photonics West 2023

"The best sign of success at a trade fair is taking home a large order for your products, and I'm delighted to say, that Photonics West in San Francisco, proved such a success for our TOFcam's", reveals Christian Schiess, VP Sales & Marketing, adding: "Of course, the large number of contacts and leads we made confirmed to me that we are heading very much in the right direction, with our TOF product development. The centerpiece of our booth showed our TOFcam-660 in action as part of Orion's DoorGuard™ security tailgating solution.



DoorGuard™ is powered by ESPROS' TOFcam-660 technology to check that every single individual passing the entry point has presented an authorized badge.

The accuracy and reliability of our TOFcam-660 in this particularly tricky application, proved of great interest to the visitors to our booth over the week."

You want to purchase our products? Check out on [Digi-Key](#) or get in touch with our [sales team](#).



++ Be part of our team and click here for our current job opportunities ++