CHIPS.

Newsletter
October 2019

One day, everything will be good. This is our hope. Today, everything is good. This is our illusion.

Voltaire

CEO's Note

Dear Reader,

We are in a dramatically changing world. I cannot remember any period in my entire life, where we saw such tremendous changes. At least, the years I remember between mid sixties and roughly twenty-fifteen, these fifty years saw an incremental evolution. But, just since a few years, things became tumbling. Looking back fifty years, the first men stand on the moon. What an achievement, but almost no effect on mankind. We had the first oil shock in the seventies, the second one in the eighties, financial crisis, Gulf war, etc. But these were just "events" rather than something world changing. Yes, there were many technical achievements, like better antibiotic, CMOS cameras replaced the vacuum tube, increasing computing power at smaller size and lower power consumption, better civil engineering tools, etc. But all together, these achievements supported evolution. I mean, a gradual improvement of already existing things. This was good for us humans, because it was not a revolution.

But nowadays, the world is changing dramatically. Social media changed our live. We know, at the same time as the public media, what for example the President of the United States submits via Twitter. Well, if you will excuse me, the Twitter messages of Mr. President is not the point. The point is, that systems, like the way of communication in this case, change completely. And these systems change the people. Everything becomes very fast. People have the option either to pick up the speed or be left behind the crowd. I'm pretty sure that even most of the digital natives do not know how their lives are already fully transparent in big data warehouses. Alexa is a nice thing. But who else is listening to us beside Alexa? Well, Alexa isn't the real problem. Why? It's just another channel that has the potential to collect data. Do we know, whether the microphone of our smart phone is off, when we turned it off? And what about the camera in the smart phone. And the tablet, the laptop, etc., etc.? We all are already transparent, whether we want it or not. Every little disease we have is already in a file somewhere and available to the health insurers. I have no illusion: Data collection and the intention of manipulating me takes place everywhere at any time. There are two options we have: a) Today, everything is good. That's our illusion. b) Do not stop thinking and keep a critical eye open. That's my strategy. Voltaire offered another option: "One day, everything will be good. This is our hope." This advise helps to think positive. Good, that hope typically does not leave us.

Beat De Coi

ESPROS Innovation Award

ESPROS Photonics AG recently presented its 'ESPROS Innovation Award' to the graduate with the best thesis in the Photonics degree program. The recipient was David Zbinden of the University of Applied Sciences of the Grisons.

The Bachelor in Photonics is a unique course of studies accredited in 2013, which in Switzerland can only be completed at the University of Applied Sciences of the Grisons in Chur. Now, six years later, its first graduates recently received their degrees.

The course is supported by over 20 Photonics companies, the majority located in the Rhine Valley of the Cantons Grison and St.Gallen. 'I'm absolutely delighted with the final theses of the first class of Bachelor students in the new degree course in Photonics at the University of Applied Sciences of the Grisons,' stated Beat De Coi in his remarks at the presentation. 'As a business hub it is of the utmost importance for the Canton of Grisons to be able to offer high-tech studies which act as a magnet far beyond the region's boundaries. «Photonics» is one such course of studies.' he continued.

The recipient of the "ESPROS Innovation Award" David Zbinden

In order to support and promote Photonics as an academic education and to draw attention to the importance of this technology, ESPROS Photonics established the «ESPROS Innovation Award».

Name: Ralf Bruegger; Function: Mechanical Design Engineer

Ralf has worked for ESPROS for nearly ten years. As a Mechanical Design Engineer he is responsible for designing the mechanical components of ESPROS' camera systems and modules, as well as dedicated tools for our production lines.

His job at ESPROS is very diversified and that's what he likes. The experience of being part of a team which develops new products and to see an idea progress to a finished product.

Ralf lives in Malix, a small village in the mountains of the Canton of Grisons. This is the perfect place for his hobbies. If Ralf is not working, he likes to go hiking in the mountains. Also gardening is something he likes to do in his free time.

Ralf hiking in the mountains of Grisons

TOF>cam 660 shown at Robo Business 2019 in Santa Clara

The ESPROS TOF>cam 660 was demonstrated at the 2019 Robo Business Expo, held recently in Santa Clara, California. The 3D camera drew great interest from the many robotic-community visitors to the ESPROS booth. The outstanding performance of the ESPROS epc660 Time-Of-Flight chip impressed those who witnessed the demonstration. This QVGA TOF chip provides the basis for the amazing performance of the TOF>cam 660.

An arrangement of sixteen high-power light emitting diodes acts as a NIR surface-emitter with a 940nm wavelength. This light source illuminates the scenery perfectly according to the specific requirements by using case-specific illumination lenses. Even at very high intensity, eye safety is always ensured. The new TOF>cam 660 capturing scenery up to 50m deep in full 3D.

ESPROS booth at Robo Business, Santa Clara

Get your special discount until 15. November 2019!
Ask for a quotation!
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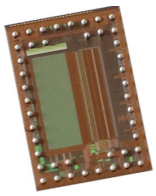
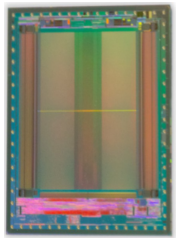
TOF>cam 635

epc901

epc611



epc635



epc660

TOF>range 611

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