

I would like to die in Switzerland. Everything there takes 20 years more.

Albert Einstein

CEO's Note

Dear Reader,

Switzerland is a terrible country. At least for people who like to move fast, live fast, think fast, take fast decisions. Because things in the Swiss Alpine society are so slow. And this inherent slowness is passed to Swiss politics. Due to our direct democratic system, changes are extremely slow or at least, hard to achieve. "Better not to change anything" is a conclusion which can be made by observing the Swiss behavior. Need an example? There was a general ban of cars from the roads of the Swiss Canton Grisons until the year 1925. 39 years later than Carl Benz invented the first car! One of the reasons for the ban was that people believed, among other reasons, that pregnant women may suffer an abortion. Well, it is a story which tells a lot about the Swiss society and culture in general. Nothing much has changed.

A similar thing to the ban of cars from the road is happening now with the 5G network implementation. There is a lot of headwind against 5G. However, I'm convinced, in five or ten years, nobody will remember the discussions we have today. Because then, the discussion starts again regarding 6G as it was for 4G. As we know, 5G is needed for



The roots of the Swiss national sport "Schwingen" go back to the 13th century. The only accepted "King" in Switzerland is the winner of this triennial event.

autonomous driving and other services which have demands high communication bandwidth. No, 5G is not a problem for the Swiss. It takes anyway 20 years longer 😊 until Switzerland has accepted this new technology. «Because the car cannot take an ethical decision in case of an accident» is a common statement here to argue against autonomous driving. Well, I'm pretty sure, almost no car driver can make an ethical decision in the event of a car crash. He or she simply tries to avoid the disaster!

It's not true that Switzerland is a terrible country. At least not for me. I love it, I love the traditions. Everything takes 20 years longer here due to our traditions. In politics we can base on an extremely stable system. Very different than in many other western countries. I'm pretty sure, this, together with a society which is working very hard and an excellent education system free of charge for everyone, is the basis for the prosperity of Switzerland. Even when Switzerland is moving slow, companies can move fast. Very fast. We (try) do it!

Beat De Coi

PS: An Indian Guru said once «the Swiss have the clock, we Indians have the time». I agree!

epc660 for car interior monitoring

Car cabin monitoring gains more and more attention. The reason behind this, is not driven by comfort functions like gesture control of the car. It is driven by safety requirements like seating position surveillance to control the various air bags. Or by monitoring the drivers ability to drive the car, e.g. by monitoring their tiredness or his focus on the road rather than on his smart phone. Another very important function is to check about left behind objects in the car. A pet or child forgotten in the car on a hot summer day can lead to a deadly event. Such functionalities and many more can be implemented by using a 3D camera. epc660 is an ideal imager chip candidate for this application. Some tier-1's have already recognized the potential of this device because of its sensitivity. To monitor the whole car, a significant space has to be illuminated with high power LEDs or VCSELs. This becomes

very critical in terms of eye safety. Thanks to the superior sensitivity of ESPROS' 3D TOF technology, significantly less illumination power allows intrinsic safe operation and low cost implementation by using LEDs.



Name: Robert Porter; Function: Head of IT

Robert is working for two and a half years now at ESPROS Photonics. His responsibilities are to ensure that all IT services operate flawlessly when needed and to enable digital productivity, delivering IT solutions that underpin business requirements. And, he is responsible for IT security.

Originally, Robert is from Croydon in South London but he lives in the Rhine valley area now for five years. We asked him, why he likes Switzerland and he answers: «Because it experiences all four Seasons in full natural beauty - from glorious Summers to snow drifts in Winter. Stunning views also abound». When Robert is not working, he likes to learn German at the wonderful PH Sprachkurse GmbH, grow vegetables in his garden and mess about in water.

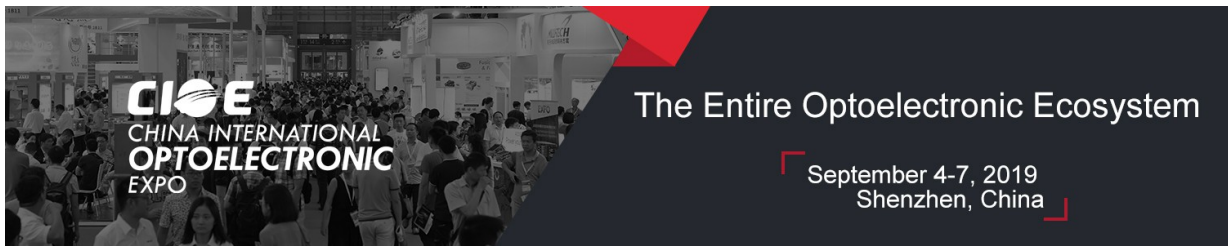


Rafting on the Rhine river

Product launch at CIOE

During the China International Optoelectronic Expo (CIOE) in Shenzhen, ESPROS Photonics presents its brand new TOF>cam 660. A modular design of illumination and receiver optics opens a completely new chapter of TOF camera concepts with this 3D time of flight camera!

deep in full live 3D. Thereby the outstanding power of the ESPROS epc660 TOF chip will be demonstrated impressively. This QVGA TOF chip provides the basis for this amazing performance. At the other end of the scale with respect to field of view, the visitors can see an unbelievable overview of the complete product range and application spectrum.



It is operating at 940nm wavelength, thus completely invisible for the human eye. This light source illuminates the scenery perfectly according to the specific requirements by using application-specific optics. Even at very high intensity, eye safety is always ensured. The visitors will see the new TOF>cam 660 capturing scenery up to 50m

With the newly developed visual display software, the visitors get the impression of a flying camera. Which seems to be at an impossible point of observation of the scenery. Do not miss the chance to see this sensational innovation during your CIOE visit at the ESPROS booth 3A03.

Save the date: ESPROS Photonics at AutoSens Brussels

From 17-19 September ESPROS exhibiting at AutoSens in Brussels. This year in May, ESPROS was already present at AutoSens in Detroit. AutoSens features high quality technical presentations, discussed in the context of rapidly evolving ADAS.

Besides our booth, Beat De Coi will also have a presentation on Wednesday, September 18th at 2:20pm.

He will talk about «A novel CCD LiDAR imager». This presentation explains the basic physical and photo-biological problems and limitations of LiDAR sensing and imaging.



17-19 September 2019, Brussels

It also presents the technology behind the implementation of a product which is in a sweet spot of LiDAR sensing. This in terms of longest possible operating range at full sunlight on the target.

We are looking forward to meeting you at our booth and in the presentation.

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