

FIREFLY news – Febr. 15, 2013



Arjen Boersma, technical manager of FIREFLY, has presented the concept of FIREFLY and some first results at the SPIE Photonics West on February 5, 2013, San Francisco USA.

In his presentation Arjen discussed new developments in polymer based, single mode, optical interconnects for board level communication, that are manufactured using the relatively new production process nanoimprint lithography (NIL). The combination of new low loss polymers and the fast and upscalable NIL process facilitates an easier integration of the components, that enables a faster and economically interesting optical data transport. The latter is indispensable in the future computing systems to keep up with the ever increasing processor speed. The major challenge in this development is the integration of new materials, components and processes while keeping the optical attenuation below a critical threshold.

The complete presentation is available via this website "Publications".

