



Silicon Austria Labs and EV Group strengthen collaboration in optical technology research – November 13, 2023



[www.semiconductordigest.com](http://www.semiconductordigest.com)

November 13, 2023

Read exclusive articles in the magazine!  
**Read the October issue**

The cover of SEMICONDUCTOR EDGE magazine, featuring a grid of gold dots on a dark background.

## Top Stories

### [SEMICON Europa 2023 opens tomorrow to showcase sustainability, innovation and talent strategies shaping a \\$1 trillion era](#)

SEMICON Europa 2023 opens tomorrow with industry experts from across the electronics design and manufacturing supply chain gathering to present insights into the latest developments and trends across key semiconductor industry growth segments including advanced packaging, materials, MedTech and mobility. [More>>](#)

### [Global semiconductor manufacturing industry set for Q4 2023 recovery, SEMI reports](#)

The global semiconductor manufacturing industry is on track for recovery in the

fourth quarter of 2023, setting the stage for continued growth in 2024, SEMI announced today. [More>>](#)



## Tech News

### [First 2D semiconductor with 1000 transistors developed at EPFL](#)

#### [Switzerland: Redefining energy efficiency in data processing](#)

Developed by EPFL researchers, the first large-scale in-memory processor using 2D semiconductor materials could substantially cut the ICT sector's energy footprint. [More>>](#)

### [Autonomous lab discovers best-in-class quantum dot in hours](#)

Researchers have now developed an autonomous system that can identify how to synthesize “best-in-class” materials for specific applications in hours or days. [More>>](#)

## FEATURED PRODUCT

### [Every minute your construction project is behind, or your facility is down, you're losing money](#)

Viega industrial piping systems get you up and running in seconds. Viega ProPress® and MegaPress® fittings and valves run 1/2" to 4" and secure

pipe without hot work. With more than 2,500 approvals for standard and non-standard applications we have a solution for you. [More>>](#)

## Featured Video



**The Pomeranian region in Poland** is an ideal location for semiconductor industry investment. It offers exceptional advantages, such as its strategic proximity to the Baltic Sea and extensive transportation options, as well as well-developed infrastructure of IT and semiconductor companies, such as Intel. At SEMICON West 2023, **Mikolaj Trunin, deputy director of the Pomerania Development Agency** talked to Editor-in-Chief Pete Singer about the region and its new industrial park.



### **Attend SEMICON Europa | Nov 14-17, 2023 | Munich**

SEMICON Europa is co-located with productronica in Munich, Germany creating the strongest single event for electronics manufacturing in Europe. Hear keynotes, market trends, and attend pioneering pavilions and forums on Advanced Packaging, Fab management, Smart Manufacturing, Mobility, MedTech and more. **Register now.**

## **Business News**

### **Silicon Austria Labs and EV Group strengthen collaboration in optical technology research**

Expanded collaboration includes installation of EVG's LITHOSCALE maskless exposure system, EVG7300 UV-NIL system and complementary resist processing systems. **More>>**

### **Astera Labs selected as finalist for Most Respected Private Semiconductor Company by Global Semiconductor Alliance**

Astera Labs today announced that it is a finalist for the Global Semiconductor Alliance (GSA) Most Respected Private Semiconductor Company award. **More>>**

### **Mitsubishi Electric and Nexperia to partner in joint SiC power semiconductors development**

Developing and supplying SiC chips to Nexperia, implementing the technologies accumulated through SiC power module experiences. **More>>**

# Download the Semi Dig App



SEMICONDUCTOR  
DIGEST

Google Play

App Store



## Webinars and Technology Papers

**Green Microelectronics Manufacturing With Water-efficient TOC Monitoring**

[Download Paper](#)

**Smaller, Better, Faster: imec Presents Chip Scaling Roadmap**

[Register](#)

**Take the Struggle out of Data Wrangling with JMP®**

[Download Paper](#)

**Sustaining Semiconductor Success: Discover Grundfos Pumps & Water Solutions for Efficient Operations**

[Watch Now](#)

**Live Walkthrough: The Fabscape Online Demo**

[Watch Now](#)

**Pioneering Sustainability in Semiconductor Manufacturing: The Path to a Greener Future**

[Watch Now](#)

**Solving CMP Challenges in High-Volume SiC Production**

[Download Paper](#)

**Solutions for Industrial Water Reuse**

[Download Paper](#)

**Enhancing Gas Supply Systems: Sensors, Ultra High Purity, and  
Advanced MEMS Technology**

[Watch Now](#)

**Targeted Contamination Removal Assures Purity in Advanced Materials**

[Download Paper](#)

**First Time Right Weigh: Maximizing Yield in Semiconductor  
Manufacturing**

[Watch Now](#)

**Leading Semiconductor Companies are Selling  
Direct to Manufacturers**

[Download Paper](#)

**AI Analytics Fast Tracks Continuous Improvement in  
Semiconductor Sub-fab**

[View on Demand](#)

**Panel Discussion: New Updates in Optimizing Automotive Electronics  
Reliability**

[Watch Now](#)

**Resistivity Measurement Accuracy: A New Level of Performance**

[Download Paper](#)



**Web Editor**

Shannon Davis

603-547-5309

[sdavis@semiconductordigest.com](mailto:sdavis@semiconductordigest.com)

**Subscription Information**

**Subscribe** to our other newsletters

**Forward** to a colleague or a friend.

To contact us, click [here](#)



**Our mailing address is:**

58 Summer Street  
Andover, MA 01810

Want to change how you receive these emails?  
You can [update your preferences](#) or [unsubscribe from this list](#).

*Copyright © 2023 GOLD FLAG MEDIA, All rights reserved.*