

# Clean and Sustainable Fluid Delivery for Semiconductor Manufacturing

## Entegris Technology Day

THURSDAY, SEPTEMBER 25, 2025 | HILTON DRESDEN, GERMANY

### 9:30 REGISTRATION AND WELCOME COFFEE

#### 10:00 Optimizing Fab Performance: Proven Strategies from Materials to Manufacturing

*Antoine Amade, President, EMEA Region*

Launching a fab today means navigating complexity, speed, and sustainability. This session explores how to define and implement best known practices from the earliest design stages through ramp-up. Learn how to reduce risk, optimize operations, and integrate environmental responsibility in the fab journey.

#### 10:15 Contamination Control: The Cornerstone of Reliable Semiconductor Manufacturing

*Günter Haas, Ph.D., Senior Field Applications Engineer – Liquid Microcontamination Control*

Contamination is the silent yield killer. Discover how robust contamination control strategies across the materials ecosystem can dramatically improve device reliability and performance.

#### 10:45 Next-Gen Filtration and Purification: Cleaner Chemicals, Greener Fabs

*Günter Haas, Ph.D., Senior Field Applications Engineer – Liquid Microcontamination Control*

Explore the latest breakthroughs in liquid chemical filtration and purification. Learn how advanced filtration technologies are delivering tighter retention, lower pressure drops, and faster flush-up times—boosting performance while minimizing environmental impact. Additionally, discover how novel purification methods are effectively removing a wide spectrum of dissolved contaminants, ensuring higher purity and greater efficiency.

### 11:15 BREAK

#### 11:35 Gas Purity Meets Sustainability: From Plant to Process Tool

*Cristian Landoni, Senior Director – Gas Microcontamination Control*

Gas purity is critical—but so is sustainability. Discover how Entegris' end-to-end gas purification and filtration solutions reduce energy use, minimize waste, and ensure ultra-high purity from bulk supply to point-of-use. Learn how our latest innovations are designed not only to maintain process integrity but also to support operational excellence, environmental responsibility, and long-term fab performance.

#### 12:10 Real-Time Chemical Monitoring: Smarter Processes, Less Waste

*Philipp Lehmann, Field Applications Engineer – Fluid Management*

In-situ monitoring is transforming chemical management. Learn how real-time concentration measurement using Index of Refraction technology can reduce waste, enhance operational efficiency, and enhance sustainability. See how the InVue® GV148 Monitor ensures efficient process control to protect yield.

### 12:45 NETWORKING LUNCH SPONSORED BY ENTEGRIS

---

## **14:00 Online Monitoring of CMP Slurries: Where Sensitivity Meets Prevention**

*Patrick Ohagan, Application Scientist – Instrumentation*

In semiconductor manufacturing, CMP slurry performance is vital to yield. Its health depends on a smart, multi-parameter approach. There are many ways for a CMP slurry to fail. Entegris empowers fabs with advanced monitoring solutions to track critical parameters—like LPC concentration—before problems occur, ensuring smoother processes and higher yields.

---

## **14:20 Automated Titration in Action: Ensuring Quality, Reducing Waste**

*Cyril To, Lead Account Manager*

Ensure chemical quality while minimizing waste. This session introduces the SemiChem system for inline titration, enabling optimal chemical usage, extended bath life, and reduced operator exposure—all key to safer, more sustainable operations.

---

## **14:40 Clean Fluid Delivery Systems: Overcoming Cleanliness and Safety Challenges**

*Philipp Lehmann, Field Applications Engineer – Fluid Management*

Fluid delivery systems must protect against ultrapure chemicals recontamination by particles, metals, and impurities. Learn how to maintain low metal levels, prevent electrostatic buildup, and reduce the need for costly and time-consuming flushing of fluid components to meet stringent purity requirements and ensure a sustainable process.

---

## **15:15 BREAK**

---

## **15:35 From Bulk to Point-of-Use: Safe, Sustainable Liquid Packaging**

*Philipp Lehmann, Field Applications Engineer – Fluid Management*

Packaging matters. Discover how Entegris' innovative FluoroPure® drums and NOWPak® liner-based systems ensure chemical integrity, reduce waste, and enhance safety from transport to point-of-use—supporting your fab's sustainability goals.

---

## **15:55 Advanced AMC Control: Cleaner Environment, Cleaner Wafers**

*Ronny Rauschenbach, Field Applications Engineer – Gas Microcontamination Control*

As process nodes shrink, airborne molecular contamination (AMC) is a growing challenge. Learn about next-generation filtration media targeting Trimethylsilanol (TMS) and weak acids, designed to protect your wafers while advancing your environmental initiatives.

---

## **16:15 WRAP-UP**