Innovative solutions for recycling of semiconductor manufacturing water

Do you have experience and expertise in treatment of industrial wastewater and its recycling? Do you like the challenges? Would you be interested in participating in a symposium on **14 Sept**., 2016 in **Bromont, Quebec**., on an emerging problem and be a part of the solution? We need your expertise.

We are organizing a one-day symposium in the form of round table with the topic: Development of water treatment technologies for recycling rinse water of semiconductor fabrication plants. The ultimate goal is recycling and reusing the water internally and depending less and less on municipal water. This symposium will bring together the passionate experts from different fields including semiconductor, environment, and wastewater treatment, etc. We are looking for innovative solutions.

Demand for semiconductors will be increased in the coming years. They are everywhere, in your smartphone, your car and you use them every day. Like many other types of fabrication processes, their production requires a lot of high purity water. Globally, water will become a scarce commodity in the coming years and it is essential to reduce its consumption. MiQro Innovation Collaborative Centre (**C2MI**) in Bromont, QC., in collaboration with Teledyne DALSA and with Universite de Sherbrooke would like to prevent this situation and be part of the solution.

As a part of the symposium, **Teledyne DALSA** will present interactively the problem. Then, each participant will have 1-2 minutes to present their expertise. There will be a short presentation on current research and future prospects to enter into discussions. Finally, there will be round tables on various topics focused on how to recycle rinse water. Please note that **this event is free**.

This symposium is an excellent time for networking and to initiate collaborations. In addition to the semiconductor manufacturing industry, the symposium will bring together people in water treatment, university and college researchers, government agencies and more.

If you are interested in attending this symposium or have any questions, please do not hesitate to contact Dr. Sanaz Safa (sanaz.safa@usherbrooke.ca).

Sincerely,

The organization team

Call for Symposium (Sept. 14, 2016 at C2MI)

Towards GREEN Semiconductor Industry

Semiconductor & MEMS Fabrication …

… requires

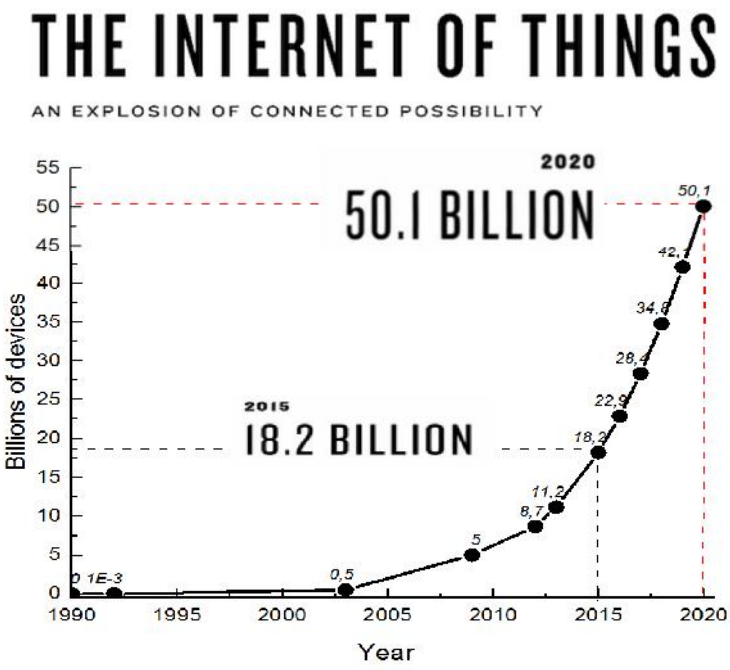
… millions of litres of water to be processed

Facts

Internet-of-Things and cell phones fuel a rapid growth of semiconductor industry

Semiconductor industry consumes large quantity of water during fabrication process

Treatment and recycling water at point-of-use of semiconductor industry's produced effluent could prevent worldwide issues with fresh water in the near future



Objective

Development of better treatment technology for pure water recovery from the produced effluent for recycling and reusing in fabrication process

Installation of a pilot infrastructure for better water treatment and recycling at C2MI

Opportunity

Collaboration opportunities between:

- **Semiconductor infrastructures (C2MI, Teledyne DALSA)**
- **Academia researchers**
- **Federal, provincial, and municipal**
- **Environmental agencies**
- **Equipment manufacturers**

Commercialization of water recovery systems for the semiconductor industry

MiQro Innovation Collaborative Center (C2MI) is the fundamental link between applied research and the rapid commercialization of microelectronic products (http://www.c2mi.ca/en). C2MI is not limited to producing microelectronic products. It also offers infinite collaboration and business opportunities related to the overall fields surrounding the fabrication of innovative microelectronic devices..