

HIGHLIGHTS REPORT YEAR 2013-2014

(April 2013 - March 2014)



TABLE OF CONTENTS

MESSAGE FROM THE PRESIDENT OF THE BOARD OF DIRECTORS	1
MESSAGE FROM THE PRESIDENT CHIEF EXECUTIVE OFFICER.....	1
VISION.....	2
MISSION	2
THE FIRST SYMPOSIUM: A REMARKABLE SUCCESS	3
COLLABORATION AND GROWTH: SYNERGY WINNING SYMPOSIUM 2013	3
THE C2MI: ECOSYSTEM IN GROWTH	4
MEMBER OF NETWORKS OF CENTRES OF EXCELLENCE (CECR)	13
2013-2014 C2MI FIGURES	14
ECOSYSTEM OF INDUSTRIAL C2MI	15
EVENT PARTICIPATION IN 2013-2014.....	16

MESSAGE FROM THE CHAIRMAN OF THE BOARD



During this second year of operation, the C2MI team, in collaboration with its industrial, academia members and commercialization partners has been devoted to positioning Quebec and Canada microelectronics ecosystem.

At the outset, allow me to elaborate on some of the highlights I recall. First held in the fall of 2013, the first C2MI Symposium offered a showcase of exceptional technological collaboration to the 140 attendees who participated to the technological roadmaps share of members who demonstrated the potential of academia-industry collaborative successes.

Thus, several projects have materialized and have benefited the commercialization financial support provided by the C2MI as a Centre of Excellence for Commercialization and Research (CECR). The CECR program aims to accelerate the commercialization of Canadian innovations and promote economic wealth creation. Many success stories, based on new product development, characterization and prototyping have been made possible, thanks to the skills and exceptional technical capabilities available at C2MI.

To conclude, I wish to acknowledge the quality of the work done by the C2MI team managed by Normand Bourbonnais. This team, supported by the Board of Directions, has completed a huge amount of work and continues to do so to position the C2MI as a world reference in the field of the microelectronic systems. Congratulations! And best continuation to all the collaborators of the C2MI.

MESSAGE FROM THE PRESIDENT CHIEF EXECUTIVE OFFICER



You will notice that for the second year, C2MI was able to consolidate its leadership role within the microelectronics systems industry. The C2MI ecosystem grew and was able to increase its offer with the arrival of new members and partners who have specific skills in key areas of the different sectors of microelectronics.

The increasing demands for laboratories analytical services clearly demonstrates that C2MI knowledge and know how along with its partners expertise is becoming the Canadian reference in the field of advanced encapsulation and micro electromechanical systems (MEMS). C2MI scientists are working on many exciting projects whose applications can be used in many fields. In addition, a growing number of collaborative projects certainly demonstrate that the sharing of knowledge between the academia and the industrial ecosystems assures the success of C2MI and of the entire microelectronic systems industry in Canada.

During his second year, C2MI strengthened its leadership in the areas of microelectronic systems with training activities, networking, symposium, seminars and workshops, allowing its key collaborators to enhance their knowledge and ensure highly qualified next generation scientists. Just as the theme of our Symposium, the second year will have been marked by the successful synergy of collaboration and growth!

BRIEF HISTORY

MiQro Innovation Collaborative Centre (C2MI) project was launched in September 2009 with a contribution of \$ 218 million received from the ministère du Développement économique, de l'Innovation et de l'Exportation (MDEIE) (\$ 94,9M), Industry Canada (\$ 82,95M) and private partners (\$ 40M) as part of the Knowledge Infrastructure Program of Canada.

In December 2010, C2MI was recognized as a Centre of Excellence for Commercialization and Research (CECR) by the Networks of Centres of Excellence of Canada (NCE), obtaining an additional funding of \$14.1M over a 5-year period.

Construction of this state-of-the-art technology Centre was launched in 2010 and was completed by fall 2011. Operations began on November 1st 2011, while the official inauguration took place on July 31st 2012. Since then, C2MI is strongly positioning itself as a world leader research and development center in microelectronic systems. C2MI welcomes industry leaders in its cutting-edge facilities where R&D is performed to accelerate the commercialization of their innovative microelectronic prototypes.

VISION

Be an international reference in scientific research and commercialization in the fields of packaging and testing of complex microsystems and micro electromechanical systems (MEMS).

MISSION

Help produce prototypes dictated by market needs in fields of application such as information and communication technologies, automotive, aerospace, environment and health in order to accelerate their commercialization.

THE FIRST SYMPOSIUM: AN OUTSTANDING SUCCESS

COLLABORATION AND GROWTH: A WINNING SYNERGY



With 140 participants representing 85 organizations from all over the world, the first edition of C2MI Symposium was a great success!

The first day of this 2-day event was to recognize the 70 equipment suppliers who contributed to the MiQro Innovation Collaborative Center by supplying it with leading edge equipment. More than 30 equipment suppliers attended the Symposium allowing them to participate in guided tours of IBM, Teledyne DALSA and C2MI facilities where they could see how their tools benefit from these world renowned industry leaders.

The participants were offered a wide range of workshops from leading microelectronics industries, academia and commercialization partners within the C2MI ecosystem. The C2MI members also shared their technology roadmaps along with some of their success stories.

« You've done quite a job. A word class Symposium

Being a member of C2MI is a privilege, and Quebec should be proud to have pros like you to manage and build this Centre's renown.

Thank you "

*Martial Vincent
Chief of Operations - Varitron Technologies*



C2MI: A RISING ECOSYSTEM



NEWSLETTER



Initiated in December 2013, C2MI newsletter broadcast six times a year, allows all our partners and everyone interested in our business to stay in touch with us and follow the successes of our members and partners. These newsletters certainly meet the expectations with every publication since they have captivated the interest of a growing number of readers with every publication. Indeed, registration has risen dramatically with now more than 1500 followers, mainly from Canada, United States, Japan, France and Germany.

LINKEDIN



C2MI is active on LinkedIn! Through our news and publications, we more than doubled our number of followers. The interest of C2MI was created, among others, by the introduction of monthly publication on the specific capabilities of the equipment available in our analytical services laboratories.

AN EXTREMELY DYNAMIC ECOSYSTEM

The microelectronics industry is buzzing around C2MI, both on our members and our partner's side. Here is an overview of the year's facts.

March 28, 2014 - **Varitron** opens center of excellence for smart grids and transportation electrification.

March 24, 2014 - **Teledyne DALSA** Semiconductor Foundry, a division of Teledyne Technologies, today announced the availability of its electrostatic actuator DH0357AQ high voltage IC. Using patented technology, high voltage CMOS / DMOS with high accuracy, small size and low power consumption is designed for projection display applications in mobile and automotive applications.

March 20, 2014 - **APEXX** and Ulysse Prep-School are pleased to announce the establishment of a unique partnership aimed profiling and brain training for all student-athletes of Ulysses High School Odyssey of Terrebonne. Ulysses, the LHPS (Preparatory School Hockey League), is becoming the first program in the world to invest in the management of cognitive student athletes.

March 19, 2014 - **Homerider Systems**, a subsidiary of Veolia, based in France, specializing in systems for collecting environmental data radio network, announced a new-generation system based on the transceiver Semtech SX1272 with LoRa™ long range RF technology.

March 5, 2014 - **Semtech Corporation** and Actility today unveiled Thing Park Wireless® an innovative radio solution with low long-term cost and long-range two-way allowing manufacturers of sensors and M2M application providers to improve significantly the adoption of this solution on the market.

March 3, 2014 - **Semtech Corporation** (Nasdaq: SMTC), a leading supplier of analog and mixed-signal semiconductors, today announced that 64GSPS ADC and DAC preliminary cores are available utilizing IBM's 32nm SOI technology for integration in high performance System on Chip (SoC) solutions.

February 28, 2014 - Infrared seems a promising market for **Teledyne DALSA**. With an investment of \$ 67 million, the chip maker and microelectronic sensors is a 100% growth in revenue from its plant in Bromont next eight years.

February 12, 2014 - **SPTS Technologies**, a provider of advanced wafer processing for semiconductor industry and related markets, today announced the opening of a new office in Korea. SPTS new office is located in Korea and will be Pangyo central base of operations for sales, development and process engineering. The new facility will also conduct an inventory of critical spare parts and essential to support the base system SPTS.

January 23, 2014 - **The Cogiscan** and Speedline Technologies companies announced that they had entered into an OEM agreement under which Cogiscan provide software to gather and present information traceability Speedline printers.

January 21, 2014 - SPTS Technologies, a provider of advanced wafer processing for semiconductor industry and related markets has been given the status of anchor Company by the Welsh Government. With 44 companies on the list, the Anchor Company Program was designed to recognize the world's leading companies based in Wales.

January 20, 2014 - Montreal-based **Motion Engine**, a company member of MiQro Innovation Collaborative Centre (C2MI) startup, has closed its first round of financing totaling \$ 1 million, allowing it to further develop its patented technology for new generation of motion sensors. Angel investors in Canada, the United States and Asia participated in this round.

January 17, 2014 - Motion Engine, a company specializing in the design of microelectromechanical systems (MEMS) devices for motion detection, announced its decision to invest in Greater Montreal to conquer the North American and international markets.

January 15, 2014 - Semtech Corporation, a leading supplier of analog mixed-signal devices for semiconductors, today announced that its PCI Express (PCIe®) 3.0 PHY IP, part of the platform Snowbush® IP has successfully passed the rigorous testing of PCI-SIG® and is now on the list of PCIe 3.0 integrators.

January 9, 2014 - Elektrobit (EB), in partnership with the **University of Sherbrooke**, helped develop a new electric car technology with autonomous driving.

December 18, 2013 - SPTS Technologies, a supplier of advanced solutions for processing wafers for semiconductor industry and related markets, announced today that it has won two other awards against other leading companies Wales. The Queen's Award for Enterprise in International Trade caps a year in which the company has been recognized for a variety of initiatives; of manufacturing excellence in the impressive growth of the company over the past three years.

December 16, 2013 - SPTS Technologies, a supplier of advanced solutions for processing wafers for semiconductor industry and related markets, has been named Supplier of the Year 2013 MEMS Executive Congress MEMS United States who had place in Napa last month. Senior industry executives electromechanical systems (MEMS) met to discuss market and recent developments and to attend the unveiling of the results of MEMS Innovation Awards.(Si DRIE).

December 10, 2013 - SPTS Technologies won the EEF / JAM Recruitment Investing in Skills

December 5, 2013 - Saline Lectronics, Inc., a leading provider of contract in the country, announced that it has acquired the monitoring, tracking and control (TTC) of **Cogiscan**.

November 19, 2013 - Cogiscan announced it has been awarded the Global Award 2013 in the category Technology Software - Process control for its IFS-NX (Intelligent Feeder System) developed in collaboration with the company Juki Corporation.

November 7, 2013 - Dunin Technologies achieves certification Remarkable Employer.

November 5, 2013 - GE and **Trilliant** are assisting consumers the largest electricity distribution network in the Philippines.

October 22, 2013 - **Alizem** announced that its embedded motor control for industrial applications launched last year software recently achieved a milestone in performance after being tested for several months at a client on electric motors of 25kW to 100kW.

October 16, 2013 - **Cogiscan** announced that the control module of its new Intelligent Plant will be launched in two stands of Productronica International Trade Fair at the Centre for International Exhibitions in Munich, Germany.

October 15, 2013 - **Alizem** announces agreement with the Swedish company Airics to distribute its products and services on board for power electronics applications software in the European territory.

October 14, 2013 - The GPS watches for people with Alzheimer's, smart meters, custom computers. These innovative electronic products are assembled in **Varitron Technologies**.

October 11, 2013 - **IBM** and **Semtech Corporation**, a leading supplier of analog mixed-signal devices for semiconductors, today announced a significant advancement in wireless technology, combining the IBM software and hardware to create Semtech a system capable of transmitting data up to a distance of 15 km (9 miles), depending on the environment, and with a great improvement in usability.

October 9, 2013 - **Alizem** sign with the Canadian Space Agency to provide a new component software IP for embedded control of electric motors.

October 9, 2013 - **Semtech Corporation**, a leading supplier of analog mixed-signal devices for semiconductors, today announced that it will join IMST, a technology specialist RF peak based near Dusseldorf, Germany for the radio module LoRa™ IM880A, long distance technology Semtech.

October 2, 2013 -L'école Polytechnique de Montréal associated with **Dunin Technologie** to experiment and develop an improved approach to optimize testing in a manufacturing process.

September 24, 2013 - **Semtech Corporation**, a leading provider of analog mixed-signal devices for semiconductors, today announced that it has moved up four spots on the list of 100 fastest growing companies in the Fortune Magazine, published September 16, 2013.

September 16, 2013 - **Prompt** is proud to serve as the coordinator of Equation project, a new public-private partnership in R & D aimed at developing new ICTs to reduce emissions of greenhouse gases and consumption energy. Valued at \$ 70 million, the project received Equation \$ 30 million from the Quebec government and \$ 40 million for six identified by the Government of Quebec multinational companies. Among these include IBM Canada, CGI, Ericsson, Fujitsu Canada, Miranda Technologies and Teledyne DALSA.

September 10, 2013 - **Semtech Corporation**, a leading provider of analog mixed-signal devices for semiconductors, today announced its partnership with OmniTek, a leading industry manufacturer of diffusion test and measurement equipment. OmniTek, using equalizers UHD 6G-SDI Semtech is the leading provider of diffusion test and measurement to be made available on the market of products with UHD 6G-SDI interface.

September 4, 2013 - **SPTS Technologies**, a supplier of advanced solutions for processing wafers for semiconductor industry and related markets, today announced the launch of Sigma ® fxP sprayer (PVD) for device fabrication 300mm power. Available options include modules of aluminum processing and depositing metal on the ultra-thin slices. The new system is designed to meet the technical challenges customers face as they scale the supply PVD process

September 4, 2013 - **Semtech Corporation**, a leading supplier of analog mixed-signal devices for semiconductors, today announced that its Snowbush IP group will ship a new platform of silicon intellectual property (SIIP) supporting standards common electrical interface (CIS) to 28 gigabits per second (Gbps) to deploy high-speed data applications chip to chip and chip-to-module.

July 31, 2013 - **Semtech Corporation**, a leading supplier of analog mixed-signal devices for semiconductors, today announced the availability of ACS1790T a new low noise synthesizer phase. The ACS1790T is a tiny room with a platform synthesizer with low phase noise typical RMS less than 500 femtoseconds.

July 18, 2013 - **Semtech Corporation**, a leading supplier of analog mixed-signal devices for semiconductors, today announced the availability of multi-PHY IP standard silicon (SIIP) that supports the latest standards for wireline broadband and wireless networks. The new SBMULTR2T2812G SIIP PHY silicon is experienced and developed by Semtech Snowbush IP group, which focuses on high-speed serial interface IP design.

July 5, 2013 - The result of many years of collaboration and co-development with **Cogiscan Juki Corporation** announces the latest version of its intelligent feeder system IFS-called NX. This new product is now available for all Juki customers worldwide.

June 25, 2013 - **SPTS Technologies**, a supplier of advanced solutions for processing wafers for semiconductor industry and related markets, today announced it has acquired XACTIX, Inc., the leading provider of market difluoride xenon (XeF2) etching technology-based release. XACTIX is located in Pittsburgh, Pennsylvania.

June 11, 2013 - **SPTS Technologies** a provider of advanced solutions for processing wafers for semiconductor industry and related markets today announced that it has received an order from one of the leading foundries in China Grace Semiconductor Manufacturing Corporation (GSMC). The engraving system C2L Rapier Omega SPTS will be used for the manufacture of MEMS inertial devices in Shanghai, China.

June 4, 2013 - **Teledyne DALSA Semiconductor**, a Teledyne Technologies company, today announced the availability of its new platform MIDIS 200 mm MEMS device fabrication motion detection. The platform is designed to provide a high volume, with a low-cost production of accelerometers and gyroscopes or the integration of these two devices both in inertial measurement unit (IMU) to meet the rapidly expanding demand for inertial sensors for consumption (mobile), automotive and sport, or in applications for healthcare.

May 29, 2013 - **The Queensland Micro** and Nanotechnology Facility (QMF) of Griffith University and industry partner SPTS Technologies, a supplier of advanced solutions for processing wafers for semiconductor industry and related markets, announced an epitaxial growth of 3C on slices of movies 300mm silicon carbide (SiC). This breakthrough is the result of over 10 years of joint research by the QMF and SPTS Technologies on silicon deposition at low temperatures and the development of a commercial reactor in order to extend the process of epitaxial growth in the commercial production of silicon wafers coated with SiC.

May 17, 2013 - **MEMS Vision**, a leading provider of MEMS solutions for the global marketplace detection, has the most advanced of its series of sensor chips for digital relative humidity (RH) and temperature (T) MVH3000D.

April 22, 2013 - **SPTS Technologies**, a supplier of advanced solutions for processing wafers for semiconductor industry and related markets, announced today it has won the Queen's Award for Enterprise in the international trade. This award recognizes the exceptional growth of the overall activity of the company during the past three years. The jury also assessed the relationships SPTS with employees, customers and suppliers, and its impact on the environment and society.

April 18, 2013 - **SPTS Technologies**, a supplier of advanced solutions for processing wafers for semiconductor industry and related markets, today announced it was ranked number two in the Sunday Times PwC Profit Track 100 annual league. This list identifies the 100 largest private British companies whose profits are the most dynamic based on figures for the last three years.

April 4, 2013 - **SPTS Technologies**, a provider of advanced wafer processing for semiconductor industry and related markets, announced today that it has received numerous orders for advanced research and development, including the Institute Delft Microsystems and nanoelectronics (DIMES), Ecole Polytechnique Fédérale de Lausanne (EPFL), the Femto-ST Institute (Franche-Comté Electronics Thermal Mechanics and Optics - Science and Technology) and IEF (Institute of Fundamental Electronics). SPTS equipment are selected for the flexibility of their processes, scalability and their potential for long-term application.

April 3, 2013 - **Semtech Corporation**, a leading supplier of analog mixed-signal devices for semiconductors, today announced its GS3490 device configurable 3G-SDI I / with first-class performance. The device is the latest addition to full, the entire platform solutions digital broadcast interface Semtech.

April 2, 2013 - **SPTS Technologies**, a provider of advanced wafer processing for semiconductor industry and related markets, announced today that the company is in the running for the annual awards team management organized by Private Equity and British Venture Capital Association (BVCA). SPTS is in the running for the Large Buyout Management Team of the Year and the International Impact Management Team of the Year.

COMMERCIALIZATION PARTNERS

For the last year, C2MI expanded significantly with the increase of number of commercialization partners within its ecosystem.

C2MI is certainly a center of research and development, but one of its primary objectives is to facilitate the accelerated commercialization of products with the establishment of a complete ecosystem accessible to members and partners. Commercialization partners are organizations whose skills and expertise covers a wide range of activities to support actual members and partners. We find, among others, to name only a few, companies working in the field of electrical wiring, advanced packaging, photonics, communications, financial services, etc. Many of our partners are key players in their industry field as example **Robic**, an internationally renowned firm of professionals including lawyers, scientists and engineers specializing in Intellectual Property and Business Law, **Hoskin Scientific**, a distributor of metrology equipment or **Nemko**, a leader in certification. All these exceptional partners are supporting and ensuring the success of the innovations developed at C2MI.

C2MI is thus advantageously well-appointed to meet the needs of commercialization and to stand out significantly from other research and development centers.

At C2MI, we are ***REINVENTING INNOVATION!***



EQUIPMENT AT THE CUTTING EDGE TECHNOLOGY

Collaborating Centre MiQro Innovation offers a range of features, many of which are unique. This equipment, valued at more than \$ 140 million can now be viewed on the website C2MI. The datasheet for each device describes its features and abilities and can be printed. The facilities are listed under five categories.

I. Equipment dedicated MEMS



A complete 200mm, fully automated manufacturing line of equipment is available for MEMS development and prototype built. Micro-electromechanical systems (MEMS) is a technology that combines computers with tiny mechanical devices such as sensors, valves, gears, mirrors, and actuators embedded in semiconductor chips. The MEMS section of the Center has a class 10 cleanroom facility as well as class 1 on the wafer surface. Our facility is adapted for both surface and bulk micromachining: photolithography, wet and dry etching, electroplating and electroless deposition, thin film deposition, wafer bonding, CMP and state-of-the-art.

II. INSTALLATION SUB-BOX SEMI-Driver



C2MI offers a wide range of state-of-the-art equipment required to realize electronic packaging. Packaging is the bridge that interconnects the ICs and other components into a system-level board to form electronic products. In this section of the Centre, you will find equipment from wafer inspection to completed package assembly using various chips assembly processes.

III. AUDIT AND ELECTRICAL CHARACTERIZATION



Electrical tests are applied to ensure time zero quality of package assembly with the purpose of screening, to eliminate marginal devices with defects that may result in infant mortality or early lifetime failure of the devices. Typical operations in that section are final test, burn in and ball scanning.

Electrical and optical characterization is also performed on demand.

IV. ANALYTICAL LABORATORY



The laboratory plays a dual role in helping the development of new technology/products/processes and to ensure product process uniformity over time. Analytical tools for material incoming inspection, characterization of finished products and failure analysis are available in this section. Techniques such as electrical probing, micro-sectioning, surface analysis, X-Ray tomography, thermal analyses are routinely performed to achieve high quality products and process. .

V. RELIABILITY



The electronics industry continues to improve its technologies. The pressure to continue improving the performance of electronic products forces manufacturers to constantly reduce the size and cost of transistors while increasing the amount of these on the new generation chips. This miniaturization is not done without significant process changes. Expectations about the long-term reliability of the products, however, remain the same, despite the use of exotic materials. To ensure product reliability over a period of life, the industry has implemented standardized tests (JEDEC). These tests are required to qualify new products and processes and thus control product consistency. Equipment reproducing the mechanical stresses, such as shock and vibration, and thermal stress ATC and DTC, HAST and THB are used to simulate the life of products in an accelerated mode.

MEMBER OF NETWORK OF CENTRES OF EXCELLENCE



Grant Recipient from the Network of Centres of Excellence as a center of excellence for commercialization and Research (CECR), C2MI, through its commercialization financial support helps accelerate project and products. Members of C2MI can thus promote the growth of the microelectronics industry in Canada, creating economic wealth and jobs related to the knowledge sector.

The goal of the CECR program is to create internationally recognized centres of excellence in commercialization in the areas of priority for the Government of Canada to deliver economic, social, health and environmental benefits to Canadians.

The CECR program is designed to build on the infrastructure, networks and existing resources to enhance marketing capabilities by investing in a portfolio of centers that have a strong sustainability plan that will have the following benefits:

- ✿ awareness of Canada as the host of centers of excellence recognized internationally that will bring benefits to Canadians in terms of economy, society, health and the environment;
- ✿ leverage our strengths in research and marketing, infrastructure, networks and capacity of existing funding to increase their impact;
- ✿ attract, train and retain highly qualified personnel (HQP), including business leaders recognized internationally;
- ✿ provide new opportunities for researchers and companies from Canada to have access to equipment, facilities and networks world-class;
- ✿ create, grow and retain companies in Canada that are able to capture new markets with breakthrough innovations;
- ✿ accelerate the commercialization of technologies, products and services pioneering in priority areas where Canada is likely to significantly expand its competitive advantage;
- ✿ attracting investment, including foreign direct investment and venture capital;
- ✿ strengthen collaboration within the country and ensure that the benefits to a wide range of businesses, organizations, sectors and regions.

The MiQro Innovation Collaborative Centre (C2MI) by an initial investment of \$ 218 million represents a cluster of global excellence in microelectronic systems. C2MI employs over 250 people and accelerate scientific research and experimental development of the technologies required by the market. To that end the Center has invested \$ 2.9 million in 2013-14 for the grant obtained by the Centres of Excellence in Commercialization and Research (CECR) to allow industry to transform new scientific knowledge into products that will ensure Canada's economic wealth.

Through his involvement in these projects, C2MI begins its role as an international reference dedicated to the accelerated commercialization of Canadian products to international markets and whose performance will be able to generate sustained interest for the quality of research and development is Centre and to optimize equipment utilization and highlight the skills and expertise of scientists working at C2MI.



2013-2014 C2MI FIGURES

INVESTMENTS

- ◆ \$1,9 M scientific equipment
- ◆ \$43,1 M invested in R&D

RELATED JOBS

- ◆ 198 jobs (+190%)
- ◆ 71 students, Professors and Researchers (+139%)

PROJECTS

- ◆ 14 projects of industry-academia collaboration
- ◆ 107 new products developed (+191%)
- ◆ 57 industrial projects in progress

PATENTS

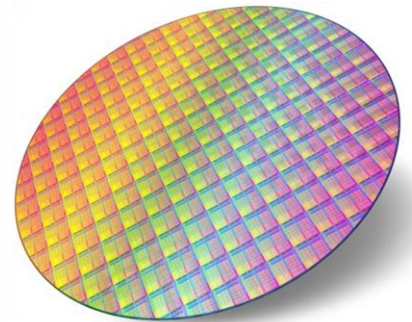
- ◆ 45 trade secrets and patents obtained (+300%)
- ◆ 10 Patent pending
- ◆ 5 intellectual property agreements concluded

NEW MARKETS PENETRATED

- ◆ Speakers MEMS
- ◆ Microfluidic devices
- ◆ Methods for advanced packaging technologies-microprocessor 22 nm

SCIENTIFIC EQUIPMENT

- ◆ 100% increase in the use of scientific equipment over 2012-2013.



C2MI INDUSTRIAL ECOSYSTEM

MiQro Innovative Collaboration Center is primarily dedicated to the rapid commercialization of microelectronics developed by key industry players. Thanks to the diversity and expertise of its many members, the Center is able to offer a complete supply chain that reduces the risks associated with development introduction of new products. The close collaboration and synergy that takes place between C2MI industry members allows them to be at the forefront of innovation, creating business opportunities, development of prototypes and accelerated commercialization of new products. C2MI can rely on the skills and innovative capacity of industry leaders under his roof, and whose numbers are growing, attracted by the knowledge and expertise of their peers. Several successful industrial collaborations clearly demonstrate it!



2013-2014 EVENTS PARTICIPATION

The C2MI must quickly position itself on the world stage of research and development of microelectronics. The innovations and new products constantly entering the market more and more rapidly are proof. In order to promote its services, C2MI participates in annual trade fairs as an exhibitor or as a guest speaker. During the 2013-2014 year C2MI hosted or attended the following events:

CONFERENCE DINNER – REGROUPEMENT DE L'INDUSTRIE ÉLECTRONIQUE

March 19, 2014
C2MI, Bromont, Canada



Description: On March 19, the Coalition of the Electronics Industry in collaboration with the niche of the electronic systems industry in Quebec (CISEQ) held a conference dinner. The theme Helping SMEs to innovate proved interesting for forty participants to hear Jocelyn Lafrance, Director of Niche microelectronics Committee Agreement and André Mouton, CTI | ITA Assistance Program Industrial Research (NRC)

LUNCH TALK – FOREIGN SUBSIDIARIES – INVESTQUEBEC

On March 18, 2014
C2MI, Bromont, Canada



Description: About forty leaders of international subsidiaries in Québec attended the Subsidiary Network breakfast seminar held on March 18th at the MiQro Innovation Collaborative Centre (C2MI) in Bromont.

MINISTER ANNONCES ÉLAÏNE ZAKAÏB

On February 27,
C2MI, Bromont,



Description: The Minister for Industrial Policy and for Bank of economic development of Canada, Ms. Élaïne Zakaïb, announced a grant of \$ 300 000 to Centre of Collaboration and MiQro Innovation (C2MI) to support the activities of Industrial Electronic Systems Sector of Quebec (CISEQ - créneau d'excellence de l'Industrie des systèmes électroniques du Québec) in Estrie and Montérégie region.

ISS PACKAGING WORKSHOP: 2013



January 30 2013
C2MI, Bromont, Canada

Description: Scientific Workshop on components and microsystems technology developments packaging and interconnection.

Intervenants du CEA- LETI Minatec : Gilles Poupon & Hubert Moriceau

AEROSPACE INNOVATION FORUM

December 2-4, 2013
Montreal, Quebec



Description: More than 60 **conferences** and workshops on best practices in the design, manufacturing, operations and management of end of life products, in addition to meetings B2B technologies, the Salon exhibition of technologies and industrial visits.

MEMS EXECUTIVE CONGRESS

On 7 and 8 November 2013
Napa, California



Description: The leaders of the companies designing and manufacturing MEMS sat side-by-side with their customers and round tables networking events, which allowed them to exchange ideas and information

ITAC 19th NATIONAL EXECUTIVE FORUM AND CMC'S 2013 ANNUAL SYMPOSIUM

October 15-16, 2013
Gatineau, Québec



Description: Again in 2013, the ITAC 19th National Executive Forum and the CMC's 2013 Annual Symposium Microsystems collaborate to produce the largest in Canada for the industry microsystems technology forum. The conference this year will focus on the essential role and increasingly widespread as microsystems play in building our urban future. The presenters are people from academia and research as well as industry executives.

2013 C2MI SYMPOSIUM

October 8 and 9 2013
C2MI, Bromont, Québec



Description: The first Symposium C2MI gathered representatives of companies from diverse backgrounds, ranging from embedded systems to MEMS, through partner marketing. These two days have allowed guests to experience the unique path C2MI members, learn more about the success of collaborative activities C2MI and explore and improve their opportunities through networking events.

INNOVATION DAY

September 19, 2013
École Polytechnique de Montreal, Montreal, Canada



Description: The ResmiQ Innovation Day is a forum in which leading experts in the field present the most compelling issues of the day and the state of knowledge in the field of microsystems. A section is dedicated to the presentation of demonstration projects where undergraduate and graduate students will demonstrate their scientific and technical expertise in a competition where each presenter will be invited to present their project through a technical demonstration, a testing on site.

SEMICON WEST 2013

***From 7 to 10 July 2013
San Francisco, California, USA***



Description: Annual Event reference for the global microelectronics industry. It aims to introduce new products and new technologies in the design and manufacture of microelectronic products.

TRANSDUCERS 2013 / EUROSENSOR XXVII CONFERENCE

***From 16 to 20 June 2013
Barcelona, Spain***



Description: Transducers conference is the largest multidisciplinary conference on micro-sensors, micro-actuators and microsystems. With more than 1,000 participants from universities, research institutes, government and industry, it brings together people from the community each year two to allow them to discover advances in the field.

ELECTRONIC COMPONENTS AND TECHNOLOGY CONFERENCE (ECTC)

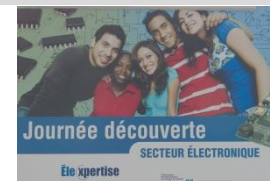
***May 27 -30, 2013
San Diego, CA***



Description: The conference addresses cutting-edge developments and technical innovations. Topics include assembling sub-case of semiconductors, modeling and simulation, optoelectronics, interconnections, materials and processing, applied reliability, assembly and manufacturing technology.

ELEXPERTISE DAY

***April 11, 2013
C2MI, Bromont, Canada***



Description: Fifty students in electronics technology Cégep de Granby, St-Jean-Sur-Richelieu, Sherbrooke Sorel-Tracy and came to find related jobs from electronics to C2MI. Several companies were present: IBM, Teledyne DALSA Varitron, Varitech, Cogiscan, C-Mac Microcircuits.

NATIONAL FOUNDATION FOR RESEARCH AND INNOVATION

***April 15-16, 2013
Espaces Dalhousie, Quebec, Canada***

Description: The National Conference of Research and Innovation held in Quebec on 15 and 16 April 2013 The discussions helped to lay the foundations of the National Policy of Research and Innovation (PNRI).



HIGHLIGHTS REPORT - FOR THE YEAR 2013-2014

(April 2013-March 2014)

Centre de Collaboration
MiQro Innovation
45, boulevard de l'Aéroport
Bromont (Québec) CANADA J2L 1S8
www.c2mi.ca