

cadmicro

TECHNOLOGY READINESS DAY 2024

April 11, 2024 - 10am to 5pm | CAD Micro Toronto Office

Sponsored by:

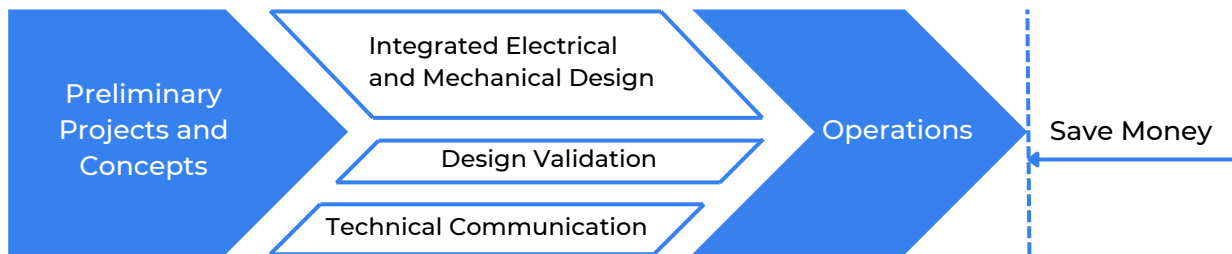


Digital Manufacturing means Digital Continuity

Why is this important?

- 80% of Executives agree that Digital Manufacturing is a game-changer.
- 61% consider Digital Manufacturing a top priority for senior leadership.
- 37% already have a Digital Manufacturing strategy in place.
- Yet, only 13% have fully embraced Digital Manufacturing capabilities today.

Streamline Your Development Process and Make Better Decisions Earlier



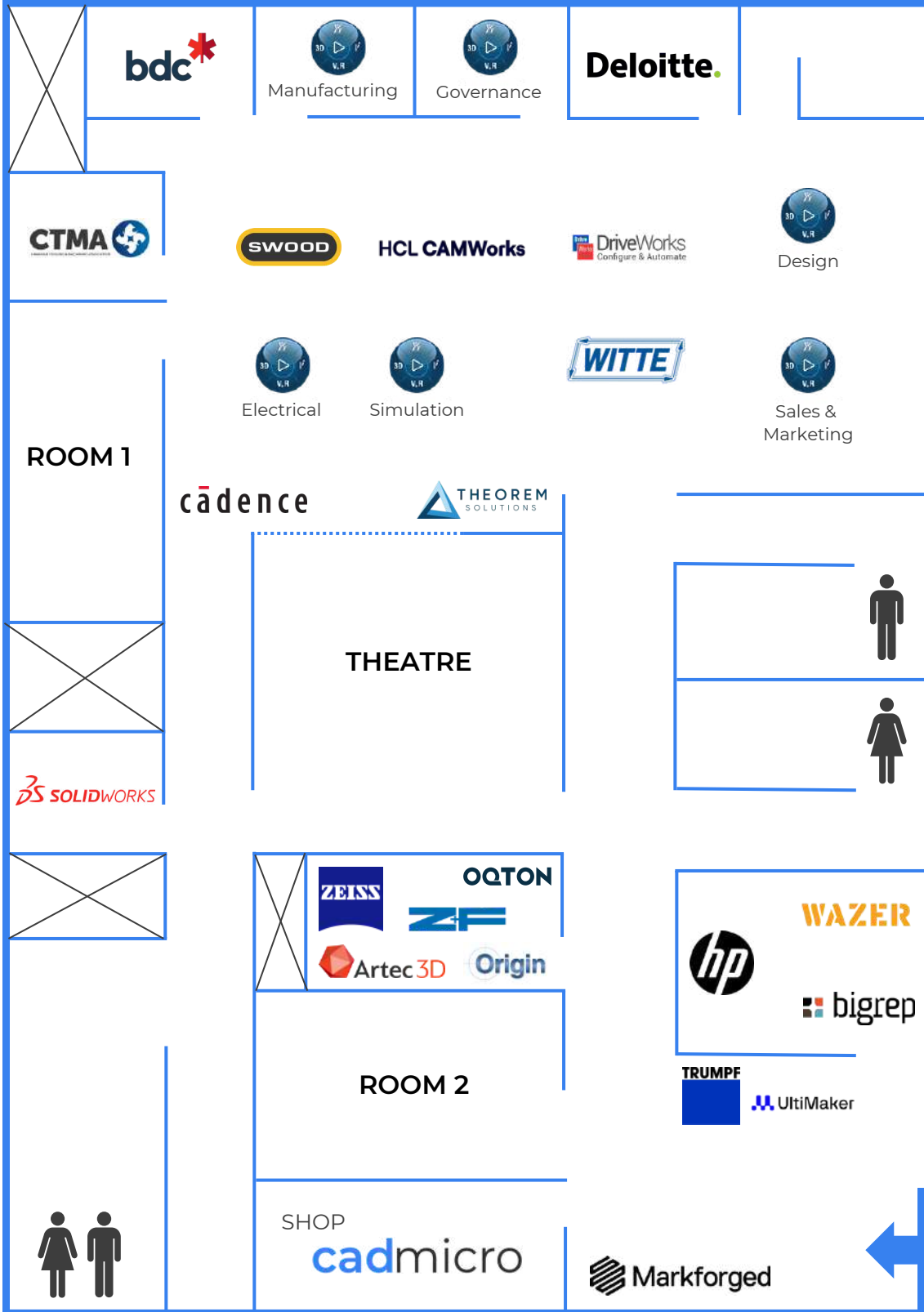
How We Enable Innovation



Agenda

Time	Session
10AM to 3PM	Technology Showcase
10:15 AM Theatre	AI in Engineering and Manufacturing with SOLIDWORKS CEO, Manish Kumar
11 AM Room 1	Arvind Rangarajan, HP's Global Head of Software and Data
11 AM Room 2	Mastering 3DEXPERIENCE Governance with Dassault Systèmes' Scott Lidgey
11:30 AM Theatre	Grants & Incentives with Deloitte's Chi Chen & Garen Hagopian
12:15 PM Room 1	The Digital Forge with Markforged's Tripp Burd
12:15 PM Room 2	Mason Brinker, ZEISS' Channel Sales Manager
1:15 PM Theatre	BDC's Mary Ann Wenzler
2 PM Room 1	Cadence
2 PM Room 2	Adam Simons, TRUMPF's Industry Manager, Additive Manufacturing
2:45 PM Room 1	Stay Career Ready with CTMA's Robert Cattle
2:45 PM Room 2	Exploring the Power of SIMULIA for Engineering Innovation
3PM	Networking

Floorplan



PARKING

PARKING

WELCOME TENT
FOOD &
BEVERAGE
LOUNGE

Technology Showcase



Science-based & technology-powered company that provides virtual twins to drive human-centric experiences.



Maximize productivity, focus on design, and expand product development capabilities.



Technology and tools that make it easy for anyone to create production-quality parts, anywhere and anytime.



Seamlessly transition revolutionary designs from prototype to production grade with reliability and agility.



Make manufacturing and its upstream & downstream processes more efficient & build the industrial world of tomorrow.



Precision measurement solutions for manufacturing excellence and quality assurance.



Turn design concepts into reality with Electronic Design Automation software & Intelligent System Design strategy.



Helping Canadian entrepreneurs develop strong businesses through financing, advisory services and capital.



Evaluate the performance, reliability & safety of materials & products before committing to physical prototypes.



Multinational professional services network providing audit, consulting, tax, forward thinking business advice.



Cut any material in your own shop with a waterjet cutter. Excellent for precision cutting of plastics, glass, metal and more.



Leading international manufacturers of modular fixturing, positioning and measuring equipment as well as feeder systems.

Technology Showcase

HCL CAMWorks

Streamlined CAM software to enhance productivity with advanced automation for efficient CNC machining.



Reduce repetitive tasks, eliminate errors, increase sales and deliver custom products in record time.

UltiMaker

Desktop 3D printers, software, and materials for streamlined production and unlimited innovation.



Represents, supports and promotes the interests of the Canadian tooling and precision metalworking industries.



Metal AM technology understandable to everyone & available with one click. Holistic. Affordable. Made with mind.



Empowering a sustainable future with digital reality solutions merging sensor, software & autonomous technologies.



Handheld 3D scanners that are professional solutions for 3D digitizing real-world objects with complex geometry & rich texture in high resolution.



Leads the industrial 3D printing sector, offering large-format printers for full-scale parts, driving accelerated product development.



High-precision 2D and 3D laser scanners, advanced laser scanning software & accessories, suitable for a variety of terrestrial and mobile applications.



Enabling you to extend the value and work more effectively with your CAD and PLM data.



The complete software suite that will speed up all your woodworking and furniture projects.



Industry-leading metrology solutions and unique tools to support the evolving needs of manufacturing engineers.

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Keynote Speakers



MANISH KUMAR - CEO, SOLIDWORKS

"There is an explosion of data everywhere. This is a very good news, because it provides us ways to use this data to provide insights and machine learning-driven automation in ways that were impossible in past. How to use big data and leverage machine learning to provide automation for increasing productivity and decreasing waste is something that we are always looking for."



MARY ANN WENZLER - Vice-President, Finance & Consulting, BDC

Mary Ann looks after the GTA West Area of the Business Development Bank of Canada, BDC (Canada's Bank for Entrepreneurs). In this role, she leads a team of professionals dedicated to serving Canadian businesses through financing, advisory services, and venture capital. Mary Ann is also the Executive Sponsor for Ontario Region's Manufacturing Strategy which supports the complex and dynamic needs of entrepreneurs in advanced manufacturing. With almost three decades of experience in Ontario's manufacturing corridor, her support is unwavering to fostering growth and innovation for the unique needs of this sector. Her background includes working closely in the automotive and aerospace sectors.



CHI CHEN - Grants & Incentives Senior Manager, Deloitte

Chi brings over 8 years of experience at Deloitte's Global Investment and Innovation Incentives (Gi3) advising Canadian businesses on accessing government incentives, securing hundreds of millions of dollars across various sectors. With expertise in provincial and federal programs, she specializes in Agri-Food, Advanced Manufacturing, Mining, and Consumer Products. Chi's background in environment, business, and government policies, coupled with a focus on ESG, allows her to strategically align clients' growth initiatives with funding opportunities. As a trusted advisor, she leads Deloitte's internal delivery team in meeting stringent government deadlines and has successfully managed complex funding engagements, driving business growth.



GAREN HAGOPIAN - Grants & Incentives Manager, Deloitte

Garen brings over 7 years of experience advising clients across diverse industries on grant and incentives opportunities at Deloitte LLP's Global Investment and Innovation Incentives (Gi3). Formerly a public servant with Government of Ontario, Garen developed and adjudicated grant programs before transitioning to the private sector. Leveraging his expertise, he now helps companies align their initiatives with government priorities, optimizing success rates. As a Public Policy professional, Garen supports companies in various areas including R&D, capital investments, hiring, training, and market expansion. He collaborates with clients and funding bodies across multiple provinces, enhancing their strategic decisions.

Speakers



ARVIND RANGARAJAN - Global Head of Software & Data, HP

Arvind leads product management, strategy, engineering, and R&D for the software organization at HP. He joined from HP Labs where he worked as its 3D Chief Technologist. Prior to HP, Arvind spent 15 years of his career at GE where he worked in Renewable Energy and Research organizations to develop innovative solutions for products that leverage additive manufacturing including polymer, metal, and sand binder jet technologies. He also spent time at Xerox PARC working on a cloud based distributed manufacturing platform for US DoD. Arvind holds a PhD in Mechanical Engineering from the University of California at Berkeley and a B. Tech in Mechanical Engineering from Indian Institute of Technology, Madras. He has over 20 patents and 10 publications.



TRIPP BURD - Director of New Platforms, Markforged

Tripp Burd (B.S. Mechanical Engineering, Tulane University) holds the role of Director of New Platforms at Markforged. Starting his career as a carbon composites engineer, he transitioned to management and process consulting and now brings a decade of factory floor experience to the additive manufacturing segment.



SCOTT LIDGEY - Senior Industry Process Consultant, Dassault Systèmes

With a passion for cutting-edge technologies, adept problem-solving skills, and a commitment to becoming a trusted advisor to clients, Scott Lidgey has amassed over 25 years of diverse industry experience. Throughout his career, he has been instrumental in guiding numerous companies through their digital transformation journeys. Recognized for his ability to develop tailored solutions that seamlessly integrate tools and processes, Scott has enabled organizations to overcome challenges and propel them toward sustained success in an ever-evolving digital landscape.



DAN BEESON - R&D Senior Solutions Architect, Cadence

Dan boasts over 25 years of invaluable experience in Electronic Computer-Aided Design (ECAD), with significant contributions across Mentor, Altium, and Cadence. His journey began as a Strategic Accounts Executive at Mentor, where he cultivated strong relationships with enterprise clients. Transitioning to Altium, Dan's roles evolved over nearly 12 years, from Application Engineer to World Wide Product Marketing, demonstrating his adeptness in product development and promotion. At Cadence, Dan has held pivotal positions including Product Director of PCB Solutions and Senior Product Architect, showcasing his expertise in guiding product strategies. His profound understanding of the ECAD market has been instrumental in driving Cadence's growth, influencing their Go-To-Market approach and sustaining continuous double-digit growth year over year.



ROBERT CATTLE - Executive Director, CTMA

Robert Cattle began his tool & die apprenticeship in 1976 while working at MicroMetric Ltd. and attending George Brown College, receiving his papers in 1981. He now has 48 years of experience working in the precision metalworking industry as a tool & die maker/precision machinist, shop owner and association director. Robert served as a volunteer on the CTMA's Board of Directors from 2002 to 2014 in various positions, and was hired as the Executive Director of the Canadian Tooling & Machining Association (CTMA) in 2014 and continues in that position today. Robert is passionate about exposing youth and jobseekers to career opportunities within the precision metalworking industry and has been actively involved in creating initiatives such as the "Introductory Trades Training Program", the "CNC Machinist - Level 1" program and the current series of Career-Ready with CTMA: Expanding Opportunities programs.

Speakers



ADAM SIMONS - Industry Manager Additive Manufacturing, TRUMPF

Adam brings over 10 years of experience in Additive Manufacturing (AM) to this presentation. Throughout his career, he has provided engineering technology solutions to various industries including Medical, Automotive, Aerospace, and Tool/Die. Adam has worked with a diverse range of AM equipment manufacturers and technologies, including FDM, SLA, Polyjet, Binder Jetting, and LPBF. For the past three years, he has focused on the North American market at TRUMPF, a leading global player in metal 3D printing and laser technology. Adam has held positions in sales, applications, and industry management, demonstrating a well-rounded understanding of the AM landscape.



MASON BRINKER - Channel Sales Manager, ZEISS

. Based out of Detroit, MI, Mason serves as the North American Channel Manager for the Optical portion of Zeiss Industrial Quality Solutions. Mason has spent the last 10 years in the metrology / industrial quality solutions market working hand in hand with top automotive, aerospace and medical companies. Outside of work, he loves spending time with his wife, their three cats, woodworking and listening to great music!



JAIRO CASTELLANOS - VP of Technology & Managing Partner, CAD MicroSolutions

Jairo Castellanos is a dynamic professional renowned for his expertise in technology innovation and strategic leadership. With a career spanning over two decades, Jairo has continually demonstrated his proficiency in driving organizational growth and delivering impactful solutions in the ever-evolving tech landscape. His visionary leadership style, coupled with a deep understanding of emerging technologies, has enabled him to navigate complex challenges and seize opportunities for advancement. Jairo's dedication to pushing the boundaries of innovation, combined with his unwavering commitment to excellence, continues to position him as a driving force in the tech industry, inspiring colleagues and stakeholders alike.



TALAL AZFAR - Electromagnetic Simulation and Electrical Design Manager, CAD MicroSolutions

Talal's area of expertise include electrical design using SOLIDWORKS Electrical, electromagnetic simulation using CST Design Studio and high speed PCB electronics design and simulation. He has a Ph.D. in Electrical Engineering from University of California Los Angeles, and his background includes work on Lasers and Optical Systems design and Semiconductor Device manufacturing.



JONATHAN CULM - Solutions Integration Architect, CAD MicrSolutions

Jonathan is an accomplished professional with a Bachelor of Science degree in engineering from Queen's University. With over 11 years of dedicated service at CAD Micro, Jonathan brings extensive expertise and a wealth of experience to his role as a Solution Integration Architect. Jonathan is recognized for his commitment to upholding the highest standards of engineering excellence and professionalism. His proficiency in utilizing industry-leading software solutions is exemplified by his Elite AE certification from SolidWorks, demonstrating his mastery of advanced design and engineering tools. His expertise and commitment to excellence make him a valuable asset to the CAD Micro team.