Michael W. Condry

Career Interests

Currently, Michael is the CEO of a consultant and investment firm, and chairman of the advisory to the Clinicai Corporation. Recently retired as the Chief Technical Officer for Intel Corporation's Global Ecosystem Development Division. Senior technical leadership in engineering focused on computer architecture, security, cloud applications, product development (both software and systems), and industry electronics technologies. Experiences have required broad technical vision, business insight, and engineering skills with more strategic than tactical responsibilities. Particular interests in cloud-based applications, cost reduction methodology, operating systems, security, and industrial computing application areas such as control systems, automation and robotics. Latest interests are in organization of data from Digital Health devices for maximum utility by medical professionals and research including pandemic management.

Achievements

- Started the Condry Investment and Future Technology Consulting, LLC to promote future technologies, provide consulting, training, and investments.
- Board Advisor to Clinicai, a startup corporation designing technology based products for early detection of cancer and other medical issues. Assisting them on developing their business plan and analysis for venture capital funding. Also, recommending marketing and ecosystem development strategies.
- International Advisory Committee, Tsinghua University Research Center for Technical Innovation. April 2018 to March 2021.
- Accepted the role as President to the IEEE Technology and Engineering Management Society. This group was financially challenged and lacked a coordinated strategy. Michael developed a strategy for the society and executed it with the team. Starting their own international conference series, increased membership and significantly improved the publications and communications. Over the last 2 years, he already has chaired two TEMS conference and gave 8 keynote presentations at these and other events on utilizing innovation in all phases of product development and technical staffing management.
- At Intel, he lead the analysis team that both defined then scrutinized multiple cost reduction methods for new silicon enablement focused on solutions the ecosystem can reasonably use resulting in highly valued cost reduced designs for Intel's new product, Skylake. This effort also resulted in a "Pre-RFQ" programs where OEMs can take advantage of opportunities before being limited by their ODM designs. This was estimated to save $1.2 Billion in potential costs to Intel; the process of working with the customer is still in use today. This plus efforts in technical staff development at Intel awarded him and his team the prestigious Intel Quality Award in 2015.
- At Intel, created the Ecosystem Technical Office that created a technical pipeline for ecosystem technical staff through programs that had previously existed. This resulted in 3 principle engineers within the ecosystem engineering team, patent growth of over 15%, expanded international engagement particularly with customer facing teams, and improved training for technical pipeline requirements and patents writing.
- At Intel, defined an end user security evaluation system to analyze the security coverage of an end user client device then maps this coverage into end user security needs for particular activities rather than feature list. Two patents were obtained for this effort both in the US and Europe.

- At Intel, organized a customer enablement security technology program that included response technologies, security communications and architecture issues. Efforts resulted in improved security designs protecting operations from vulnerabilities, remote or local. One program was transitioned from a multi-year architecture discussion into delivered early product in one year. Established customer review program and training resulting in customer products with improved security features delivered the following year. Defined communication and tracking for customer security for validation and correction of customer issues.
- Senior Board member for the IEEE Industrial Electronics society (IES), on the board for over 20 years. Created and currently chair the IEEE IES Industry Forum a program to bridge between technical research and industry by engaging in IEEE events discussing technology directions and requirements for industry products. Industry Forum was recognized by IEEE TAB as one of the IES strongest achievements. He chaired 14 Industry Forums since 2009. Created and chaired several IEEE IES conferences. Life IEEE member and Computer Society senior member. Frequent Keynote presentations at conferences as well as conference chairs positions.
- At Intel, created a firmware update program to remotely update Intel firmware using existing and new technologies to correct possible security vulnerabilities on all client platforms.
- As Intel research director, created, planned and staffed a research organization at Intel Labs to research network applications that could utilize desired services in the "last mile" to the customer. Results showed cloud applications could be used for improved customer experiences. Served as the vice-chairman of the board for the Broadband Content Delivery Forum, now the BCF, and convinced this industry group to support this last mile service model. Also established with industry partners the OPES IETF group.
- As a Sun director, he defined and executed a corporate business strategy for Internet Standards involvement. Analyzed the engineering costs and returns in products in the company; compared standards costs and participation across the industry. Organized and currently overseeing the multi-organization standards team to cooperate and align with a general corporate strategy. Removed the proprietary "control" from a competitor to their technology for e-commerce; forcing them into an open standards market, that is now being managed by the W3C in an open working group. Internet team gave me more than 130 engineering staff dotted line reports organization had staff of 5 managers with about 25 direct reports.
- Board of directors member at The Open Group consortia and chaired the board financial committee. As financial board chair, analyzed the financial problems then guided the restructuring of the consortia to meet desired objectives; this resulted in a financially viable position for the consortia starting; they were at yearly loss of over $1M. While moving the consortia into financial stability I reduced the investment costs made by Sun (and other consortia sponsors) from $2M/year to .5M/year. The Open Group is still in operation today.
- As an adjunct professor, Michael established a partnership between AT&T Bell Labs and National Center of Supercomputing Applications (NCSA). Directed the Gigabit Study Group in Computer Science doing research in the impacts of extremely fast networks with high performance computing. Showed the value of Ethernet over other networking technologies even as bandwidth is greatly increased. Four graduated students completed their degrees in this program. Developed and delivered a tool suite with NCSA used for AT&T product testing. At Illinois was appointed to the US Internet committee headed by then senator Al Gore.
- Managed the UNIX development team for VMEbus computer, provided 3 releases of AT&T's System V UNIX operating system and an experimental real-time system. The development team was about 12 engineers. With others on the team set the architecture and design for the Bell Mac 32 processor chip set that was used in the 3B2 and 3B5 computer lines. Multiple patents on VLSI and Operating System areas. With Ned Smith designed the Inode file system used in System V. The Inode model is used in systems today including IOS and Lunix.

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Positions Held

2021-date   CEO, Condry Investment and Future Technology Consulting

The company makes investments and provides Technology advise and training in technology futures. This includes advise to individuals and companies on technology and technology management practices. The company engages in technical activities, usually presenting on technology directions and futures while developing clients and industry and academia.

2018-date   Board Advisor, Clinicai Corporation.

Startup creating products that detect symptoms of cancer and other medical issues with everyday usage. The technology uses advanced sensors to chemically analyze human waste then in the cloud analyze the scan and determine if symptoms exist.

2016-2019   President, IEEE Technology and Engineering Management Society
 A new IEEE society focused on technology management matters including startups, entrepreneurship, and general business strategies.

2000-2015   IntelSanta Clara, CA Director/Architect (retired)
Chief Technical Officer, Global Ecosystem Development Division

Key role a Chief Technical Officer driving the technical growth with customer innovation across Intel. Creator and leader in the client cost reduction methodology program cite above. Definition of technical growth program resulting in 3 Principle Engineering promotions and multiple patents granted. Intel roles scope ranged from research, technology product marketing and product technologies required for future products. Responsibility ranged from director, manager responsible to define, create, and manage a team, to individual contributor. In all cases organizational leadership, strong customer relations and technical skills were highly required. Positions reporting to Vice President, often assuming VP responsibilities and aiding in budget, planning, etc. as well as presentations for the VP.

1992-2000   Sun Microsystems   Palo Alto, CA
Director
Primary role surrounded driving technical standards and special industry interests for Solaris, creating the internal team then driving selected results. Represented Sun at several industry groups, at technical and board level positions, with efforts that often change the charter to be more aligned to Sun's objectives. In addition to a standards group I organized a quality assurance program for Solaris products including building the team and establishing the goals. I also established a technology management process for Sun that was still in operation when I left Sun. Mostly reported to a VP or CTO at Sun.

1989-1992   University of Illinois   Urbana, Illinois
Adjunct Professor, Department of Computer Science
Adjunct position with AT&T research. One of his students is now Vice President at Linked-IN and another a researcher in Intel laboratories.

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1981-1989   AT&T Bell Labs   Summit, NJ
Engineering Manager
Engineering manager, software and chipset architect. Lead architect for the design of the Bellmac-32 processor chipset, the first 32 bit processor mostly used for AT&T switch controllers.

1978-1981   Princeton University   Princeton, NJ
Assistant Professor
Teaching in Operating Systems and Compilers with research in using compilers to make predictions in Operating Systems behaviors.

1971–1975   Yale University.   New Haven, CT
Systems Programmer
Just prior to graduate school, I developed business simulation game and analysis package that was used by business school at Yale. Taught the gaming model and associated game program use at University of Marseille, France.

1969–1971   George Washington University.Washington, DC
Systems Programmer

Education

1974-1980   Yale University   New Haven, CT
Ph.D. Computer Science, 1980.
M.S., Computer Science, 1975.

1965–1969   West Virginia UniversityMorgantown, WV
B.S., Mathematics.

Interests
Photography, outdoors, other cultures, and travel.

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[19] Open Systems and Standards, in IECON 95, November, 1995.

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[21]] Making Standards Processes Responsive to the Needs of Industry, keynote presentation, Proceedings of the IEEE International Conference on Industrial Technology (December 1996), Shanghai, China, ISBN 0-7803-3104-4, pp10-12.

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