THE MISSION
Integrated Design & Management enables the development of extraordinary, innovative leaders who bring new levels of creativity, vision, and integrity to business and society.
At the heart of integrity + innovation

IDM is a first-of-its-kind Master's degree program that brings together the inspired, intuitive methods taught in the world’s best design schools, with the systematic, analytical methods of the world’s best engineering and business schools.
At the heart of 
people + profit

People are at the center of IDM, yet profit is required to have sustainable impact. We balance approaches from MIT’s School of Engineering, School of Management, and the Integrated Design Lab to enable our students to create desirable, feasible, viable, socially responsible, businesses that enhance the human experience.
At the heart of collaboration is exemplified at IDM by having equal parts business, engineering, and design in the composition of its student body and faculty. Through exposure to and interaction of these diverse backgrounds and sensibilities, students learn to appreciate and integrate the best of what each brings to the project.
our team
“I want to leave behind creating the next great product and instead design a product to make humanity’s future great.”

Born in Sri Lanka as an only child, Sal has always been a tinkerer and designer. He received a Bachelor of Science in Mechatronics Engineering from the University of Waterloo in 2014, and as an engineer, Sal has vast work experience at companies such as General Motors, Apple, and Microsoft. But his passion is not consumer electronics. Sal has lived, studied, and volunteered in various countries around the world, strengthening a commitment to help people and communities that cannot help themselves through positive environmental and economic change. He believes a focus on inefficiencies in the healthcare industry will make the greatest impact. Sal wants to dedicate his engineering skills and design experience to solve human problems by creating products that don’t forget our humanity.

“I want my legacy to be a world where every human being lives with dignity, where everybody has access to the fundamental needs of water, food, housing, and health care, and where every person can create the world they want to be a part of.”

With five years of experience on the frontlines of development in India, Anubhav is a social business and design leader on a mission. In 2013, he co-founded Noora Health, a social enterprise that empowers disenfranchised family caregivers on postdischarge care. As the Chief Services Officer, he helped change the lives of more than 100,000 family members in four years, making Noora Health the second most innovative company in India, as named by Fast Company in 2016. Anubhav holds a Bachelor of Engineering in Polymer Sciences and Chemical Technology from Delhi College of Engineering. At MITidm, Anubhav is focusing on three skills that he has found to be the most critical in creating long-lasting social impact: ability to unearth user needs; design for extreme affordability; and logistics to deliver to the “last mile.”
“In today’s climate, it is important to bring as many people to the table as possible. Each voice is unique, and the more people we involve, the more representative the entrepreneurial space and the ideas will be.”

Dextina is a Brooklyn native with Caribbean roots. As a Fellow with Venture for America, a career accelerator for recent college graduates interested in learning how to build a business while making an impact, Dextina worked in Detroit for two years. She was an engineer at Shinola, a branding and manufacturing company known for its stylish, American-made watches, bikes, and leather goods. On Shinola’s audio team, Dextina helped create turntables, speakers, and headphones. Dextina graduated from MIT in 2015 with a degree in mechanical engineering. Back at MIT for a master’s in the IDM program, she hopes to sharpen her skills in building solutions and creating resources that will help empower people to pursue entrepreneurship.

“I am ready to elevate my career to the next level and take on the issue of making effective, affordable, and convenient health monitoring systems.”

Holly started her journey as a mechanical engineer with a passion for understanding the science behind how things are made. She grew up in China and came to the U.S. at the age of 18 to seek higher education on a merit-based scholarship. Holly graduated from Worcester Polytechnic Institute with a major in Mechanical Engineering and minor in Manufacturing Engineering. She began her career as a mechanical design engineer at Stanley Black & Decker, where her responsibilities included implementing products from ideation to prototyping, manufacturing to distribution. Holly’s strong interest in healthcare brought her to IDM, where she has integrated her industry experience and leadership skills with opportunities to collaborate on interdisciplinary projects. A believer in the power of love and empathy, Holly intends to provide innovative health solutions that will bring positive impacts to her community and the world.
“The world is full of opportunities. I play, explore, and make assumptions... only to prove them wrong, try, experiment, fail, fail harder, and never give up.”

Nava is an artist and designer, a playful creative, and experimenter. As an experience designer, she worked for innovative brands such as Tesla, Lexus, and Nissan after earning a Bachelor of Architecture degree from California Polytechnic State University. Nava also imagined the future of physical architecture, future of retail, and conversational commerce through her work at MIT’s Auto-ID Laboratory. She is fascinated by people and their cultures, and the potential for finding solutions to problems they don’t yet know exist. While pursuing her Master of Science in the MITidm program, Nava is a researcher at the MIT Design Lab, working on adaptive products that respond to passive and active sensory feedback.

“Diversity of challenges better equips learners and doers to take on new and old problems. Gaining a solid understand of business and engineering will bridge the next stage of my professional career.”

Karen is fascinated with user-centered research methods and how the usability of products can be improved through design. After graduating from Georgia Institute of Technology with a Bachelor of Science degree in Industrial Design, she worked at international packaging company, Sonoco, with cross-functional teams of engineers, designers, and salespeople to launch innovative point-of-purchase displays that eliminated excess shipping material. Karen is attracted to MITidm for its encouragement of interdisciplinary collaboration aimed at cultivating the next generation of leaders. Unafraid to break from tradition and challenge standing conventions, Karen is driven to design a future that solves entrenched societal problems.
“I understand the mindset of engineers and designers currently pushing the outermost edges of innovation — and share their vision — because I myself am a maker.”

Emily, an internationally-minded speaker of three languages, is passionate about making human-centered products and services more accessible. She has a background in management consulting and internal strategy, most recently running operations at the 150-person design firm IDEO, managing everything it takes to build a small business while also honing design skills. Prior to that, Emily led strategic and budget planning projects for FHI 360, a non-profit human development organization that improves lives in more than 70 countries by advancing integrated, locally-driven solutions. She double-majored at Harvard University, receiving a Bachelor of Arts degree in Economics and East Asian Studies. Emily’s desire to create affordable solutions to worldwide problems led her to the MITidm program, where she’s gaining deeper insights into product management and engineering.

“When we come together with different gifts and backgrounds, people are able to learn from one another and make the world a better place.”

Following a stint doing web analytics with Microsoft Canada, Jennifer spent five years with the Toronto-based software development company Intellware, working on user experience issues. Interested in social justice, Jennifer has twice traveled to Kenya to participate in a variety of service projects as a volunteer with the international charity organization, Ubuntu. She has volunteered for many years with the nonprofit Deedz, engaging intimately with Toronto’s homeless population. Those experiences prompted Jennifer to pursue an opportunity with MITidm that would allow her to connect her design skills with her passion to lessen obstacles to success for the marginalized. Jennifer received a Bachelor of Applied Science degree in Industrial Engineering from the University of Toronto in 2011.
ANDREA MCCLAVE

“If designers create inherently good products, we’d shift the responsibility for success from consumers to rigorous design practice.”

Having grown up on a farm, Andrea developed a deep appreciation for fresh produce and food systems at an early age. She earned a Bachelor of Arts from Dartmouth College in Human-Centered Design with a minor in Sustainability. Working at SproutsIO, a company developing microfarms for personal produce, Andrea challenged herself at the intersection of design, technology, and agriculture. She also believes psychology can impact product design and user experience, which she learned during an undergraduate experience working at Tiltfactor, a game design lab for social change. Andrea hopes to use her advanced degree from MITidm to institute change in the organizational behavior of companies that do not currently value responsible design practices.

RACHEL MOORE

“I imagine combining human capabilities with technological advancements to solve real problems that real people face every day.”

Rachel is a storyteller, a breakfast enthusiast, a boxer, and an aspiring novelist. She is also a firefighter’s daughter, a sister to an Army ranger, and someone who thinks about the kind of world in which she wants to be a mother. Rachel most recently worked as an art director for an ad agency in New York City, where she was engaged in a wide variety of projects — from unconventional digital experiences and branded content to traditional print and broadcast advertising media. For Rachel, being part of MITidm is the start of a career change in which she is now able to explore ideas and innovation on a path her previous profession stopped short of pursuing. She believes that a better understanding of how people interact and function at the beginning of product development will enable us to create solutions that better fit into our lives. She earned a Bachelor of Fine Arts in Design Communications from Belmont University.
“We observe, connect, and empathize to create stories that move human emotions.”

You could call Melody a renaissance woman. As a financial model builder by day, she dreamed about debugging math equations at night. She took on a barista job and was proud of her unsophisticated latte art. She assisted local contemporary artists in their projects, taught preschool children, enjoyed being a fitting model, and sewed in a garment factory. After walking a path full of highlights and failures, Melody knows more about herself than ever. Being part of MITidm has given her the direction, sense of team spirit, rapport, and synergy she was seeking. She hopes to create products that can touch human lives. Melody attended Simon Fraser University and received her Bachelor of Science in Biochemistry and Molecular Biology, as well as a Bachelor of Business Administration.

“Bringing real solutions closer to home, I hope to make lasting change and inspire a future generation of business leaders in Asia.”

Jillian brings a strong international background to the MITidm program. Following an undergraduate career in the Philippines and Japan, as well as an intensive year-long immersion program at China’s Peking University, Jillian helped launch the Beijing office of the Michael Page consulting firm. Later on, she worked as a marketing and branding consultant in the metro Manila area. Representing the next generation of her family’s retail businesses, Jillian aims to drive sustainable product innovation and harness the untapped potential of the raw materials available in her home county. In addition to English, Jillian speaks Chinese, Filipino, Hokkien, and Japanese. Jillian received a Bachelor of Science in Management from Ateneo de Manila University in Quezon City, Philippines, in 2008, majoring in Communications Technology and minoring in Japanese Studies.
“I learn best by getting my hands dirty, and MITidm’s action-oriented environment suits me. Above all, I want to leverage my entrepreneurial nature to make a difference.”

Ajay was an early employee at Kubisys, an enterprise software start-up. He began as an unpaid intern working in debt financing, secured $5 million, launched the marketing department, doubled customer acquisition, and became the VP of Business Development, leading direct/channel sales. Once legally blind from a rare eye disease called Keratoconus, Ajay was fortunate that experimental surgery helped him recover his sight, and since then has been determined to design realistic solutions that will help patients tackle health-related challenges. He received a Bachelor of Science in Business Administration from Babson College.

“It’s time to stop the export of talent from states like the one I grew up in, and I know I can find a way to marry a profitable business venture with community-building outreach.”

Tanner was reared in rural Mississippi, and it’s his home state that continues to drive his professional direction and purpose. He grew up building things with his dad - from their family home to a new fire station for the town, from elevators made out of spare garage door parts to custom ATV snorkel systems. These experiences inspired a love of engineering and community that Tanner wouldn’t fully recognize until later in his career and education. He received a degree in Mechanical Design Engineering from Olin College. At MITidm, Tanner’s projects and studies have focused on systems engineering and organizational design, which he hopes to use as tools to solve the problem of limited opportunity in states like Mississippi and nurture local talent to keep people from seeking promising careers elsewhere.
“Solutions to complex challenges draw on multiple disciplines and have an empathetic approach at their core. MITidm’s collaborative approach has transformed me into a design leader capable of contributing to the creation of a more meaningful world.”

Diversity in people and perspectives has always fascinated Saranya, who considers herself a hybrid engineer designer. Her passion to solve healthcare challenges has taken her across her native country of India to better understand issues such as maternal health and child care, diabetes, women’s health, sexual health, and tuberculosis. She has worked with startups and multinationals on different phases of product development, including front-end innovations, design, and launch of solutions. Saranya attended Anna University’s College of Engineering, Guindy, where she earned a Bachelor of Engineering degree in Industrial Engineering in 2008. Her vision is to build engaging solutions that nudge users to create sustained behavior change. She wants to improve health outcomes, which in turn improve quality of life.

“I want to build interventions that will improve the quality of life in India to match global standards.”

Shakti is a mechanical engineer with an insatiable curiosity about the world around him. He admits to spending hours admiring and investigating the designs of even mundane things. Before MITidm, Shakti spent three years in India as the Product Chief of Quidich, a company that provides drone services. His role varied according to the projects, some of which involved building roads in the mountains of India, designing a VR roller coaster, and sometimes helping rescue man-eating tigers. Shakti graduated from the Army Public School in New Delhi and later earned a Young India Fellowship, a one-year multidisciplinary postgraduate diploma program in Liberal Studies at Ashoka University. Shakti strives to combine his engineering skills with the design process to produce designs that are better, cheaper, and safer than anything that currently exists.
"I want to build and sell educational products that empower and encourage millions of students to solve real problems in their communities."

Nidhi identifies herself as an electronics engineer and entrepreneur, and is highly interested in the commercialization of technology that can enhance the learning experience for anyone, anywhere. Her passion for education led Nidhi to launch a startup that serves as a platform for training students in hands-on skills and mentoring youth in turning innovative ideas into reality. Before coming to MITidm, she conducted extensive research at the Centre for Electronics Design & Technology at Netaji Subhas Institute of Technology, Delhi. Nidhi previously worked in the semiconductor industry as a chip design engineer and also advised the Government of India on policy for its “Clean India Mission.” She earned a Bachelor of Engineering degree focused on electronics and communication from Netaji Subhas Institute of Technology.

"I came to MIT to find a way to increase the impact I could make with my work, thinking this would happen through learning about technology, business, and engineering. I realized quickly that technology only matters if everyone has access, engineering means little without a purpose, and a business is only as good as the social value that it generates."

Susy grew up in Mexico in a family of engineers, but when the time came to choose her own career path, design was her goal. After graduating with honors from Tecnológico de Monterrey with a Bachelor of Arts in Industrial Design, Susy went to work for a social innovation consultancy firm, which opened her eyes to what could be accomplished when the public and private sectors come together for the greater good. She remains a designer at heart and brings that perspective to the table to help move social and business initiatives forward in Latin America.

Currently, Susy is interested in working in the Humanitarian Innovation Sector by empowering vulnerable communities through design and tech training. She believes that designing with a human in mind makes the difference for the human and empowering the human through design makes a difference in the world.
"My vision is to reinvent manufacturing processes, create new jobs, and revitalize markets by developing innovative products and technologies that transform our daily lives."

Growing up in Kenya, Juliet was always curious about the intersection of technology and design, which led her to work in Kenya’s Silicon Savannah at startup companies such as iHub, BRCK, FabLab Nairobi, and Gearbox, in addition to international technology programs at Stanford and the MIT Design Lab. As the founder of Foendi Workshops, Africa’s capacity-building platform for young innovators, Juliet helps drive solutions to challenges in transport, energy, healthcare, and security. She graduated from the University of Nairobi, where she earned a Bachelor of Science in Electrical and Information Engineering, Telecommunications Engineering, and Computer Science. MITidm has offered her a multi-faceted approach to design and development. Her vision is to utilize the internet of things to develop products and services that serve the growing technology market in Kenya and elsewhere.

"MITidm has empowered me to reach my potential as an innovative leader and build a social enterprise that sustainably transforms how we produce, consume, and recycle food."

Julia embraces designing for social impact. From advancing sustainable development to building social enterprises, she has collaborated with colleagues from around the world in tackling global challenges. Julia’s curiosity about complex systems, coupled with her aspirations to empower people and build effective organizations, led her to Deloitte Consulting, where she developed human capital strategies for multinational companies and universities and created new operating models through human-centered design. She dreams of a world where no one has to go without nutrition to fuel their day, and Julia is committed to transforming the food system to make it happen. She holds a Bachelor’s degree in Political Science from the University of Pennsylvania and an MBA from the University of Chicago’s Booth School of Business.
“Only by expanding our breadth of knowledge and depth of experience can we reason without bias and act without harm. Only then can we combat the most important issues of our age.”

Alan is passionate about philosophy and ethics at the intersection of technology and society. His previous work experience has focused on software engineering for two startups - Petuum, an enterprise AI/ML software development platform based in Pittsburgh; and Metaculus, a community prediction platform for rating the likelihood of various technological and scientific outcomes. Personal experience has also raised Alan’s awareness about the important of civic engagement, and he wants to create meaningful products that help those less privileged live better. Alan graduated from Duke University with Bachelor of Science in Mechanical Engineering.

“I truly believe that a new business model in healthcare, equipped with cutting edge technology and design, can make a dramatic difference.”

Before arriving at MITidm, Jiani was an award-winning industrial designer and an engineer with a focus on consumer products and services. She has also had several design concepts exhibited internationally and covered by social media. Jiani has applied a human-centered design approach to solving complex problems and designed dozens of products in consideration of ergonomics, materials, and manufacturability. Challenges in delivering quality healthcare have captured Jiani’s attention for the next stage of her career. She aims to use her skills to address geographical disparities and limited resources that prevent patients from receiving optimal postoperative care. She received a Bachelor of Engineering degree from the University of Nottingham, Ningbo, China.
EXPERIENCE

An architect since 2012, Helena’s education and work experience have shaped her passion for design, technology, entrepreneurship, and the food industry. She has a desire to solve some of the world’s biggest challenges, which include universal access to food sources, through innovation and collaboration. Early on in Helena’s quest, a hydroponic growing system in her own living room demonstrated her skill in carrying projects from an idea to design to manufacturing to realization. Now she is working side by side with talented and motivated students at MITidm to meet business objectives while creating social value. Helena has a Master of Science in Architecture from the Polytechnic University of Catalonia in Barcelona, Spain.

EXPERIENCE

Luciana set out to transform education in Peru, a country where the majority of children do not have access to high-quality formal education. Prior to joining the IDM program, she worked at Innova Schools which focus on the user experience and aspire to ultimately change the way children learn. This experience was valuable and rewarding, but Luciana is not content with the status quo. She is inspired to design solutions that address achievement gaps in her home country, and by doing so, help address those that exist around the world. Luciana’s ideas will help teachers personalize instruction for the varying learning styles of individual students, instead of forcing students to adapt to general teaching methods or programs. Luciana received a Bachelor Degree in Business Administration from Universidad del Pacifico in Lima.
As both an undergraduate and graduate student in Iran, Ameneh found ways to improve lives through design. She focused on people with physical and intellectual disabilities, assessing the obstacles they encounter every day and creating innovative solutions to help them become more self-reliant. Because of Ameneh’s projects, children who couldn’t – or wouldn’t – eat on their own were able to use a special plate to motivate themselves to finish a meal. Visually impaired and blind adults could more easily access taxis for independent travel around the city of Tehran. Ameneh hasn’t lost the drive to creatively solve similar challenges for others. Now it’s time to hone her leadership skills and grow in the MITidm program.

Ameneh has a Bachelor of Arts from Tabriz Islamic Art University and Master of Science from Amirkabir University of Technology in Industrial Design.

Dipo has entrepreneurship in his blood, and he learned from an early age watching his parents’ experiences that success comes from collaboration, putting people first, and even learning from failure. Dipo also understands that breakthroughs are possible at the intersection of disciplines, when partners bring varied strengths to the table. He is eager to refine his own technology and design skills for a new approach to human-centered business in his native Nigeria. It is Dipo’s dream to establish a state-of-the-art design consulting firm and use emerging technologies to enhance arts education in public schools.

Dipo holds a Bachelor of Science degree in Mechanical Engineering from University of Virginia’s School of Engineering and Applied Sciences.
EXPERIENCE

Chris says if there’s one thing he’s learned from working with social mission organizations, it’s the importance of unwavering empathy for the user when making decisions because compromising product functionality could have a critical impact on the client, customer, or beneficiary. He also understands that weak designs can undermine great ideas. His work experience at ThoughtWorks, a technology company that also advocates for social change, provided him a significant glimpse of how software engineering, design, and business work together for positive change.

At MITidm, Chris is practicing core concepts in product innovation to build the skills and knowledge to become a leader at the intersection of digital product management and social responsibility. Chris holds a Bachelor of Arts in Philosophy and Psychology from Wheaton College in Illinois.

EXPERIENCE

Imagine a world with no waste. Sabira aspires to create just that. Recognizing that waste is an enormous global problem to solve, Sabira is eager to use MITidm’s collaborative energy, ambition, and ideas to impact the way waste management is perceived and designed. Her efforts have begun in Bangalore, where innovating zero waste solutions for organizations is happening through various enterprises. With a Bachelor of Science in Economics from New York University, most of Sabira’s professional experience is business-related. Continuing her education will help bring a more human-centered design approach to achieve a cleaner world.

EXPERIENCE

Despite a solid job offer from a multinational IT corporation, Samip chose to begin his professional career after college as a software engineer for Lattice Innovations in New Delhi, India. The medical technology startup gave him the opportunity to take on added responsibility and make critical decisions on programming from start to finish. Samip is familiar with the MIT philosophy, having participated in the Global Entrepreneurial Bootcamp, where he sharpened his skills in teamwork, research, and problem-solving to complement his engineering background. Samip graduated from the Heritage Institute of Technology in India with a focus on computer science and engineering.

EXPERIENCE

With a background in advertising and marketing, Blanca took a professional leap when she and her brother founded The Ellu Company, a smartphone app and bracelet that connects wearers with their closest friends and family members. The experience of launching a startup revealed learning opportunities to bolster her skills in engineering, manufacturing, and finance. Blanca says MITidm’s interdisciplinary program is exactly what she was looking for to maximize the chances of future success in any endeavor she dreams up next. Blanca attended the University of Notre Dame, where she earned a Bachelor of Business Administration and a Bachelor of Arts in Design.

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EXPERIENCE
Shana fully embraces the concept that innovation is the result of connections between all of us, that every thought builds upon a network of thoughts and work from people, past and present. As a digital producer at Google, Shana sought out possibilities for innovation, making those connections between people and variables to solve problems. She is confident that MITidm’s support for entrepreneurship and multi-disciplinary approach will help her realize her business goals and enhance her ability to blend engineering and design into a unified force. Shana graduated from the University of Texas at Austin with a Bachelor of Science in Advertising, and she holds an MBA from MIT.

EXPERIENCE
Always interested in medicine and healthcare, Lara likens entrepreneurship to being a doctor of sorts: after listening to ailments or problems and identifying pain sources or challenges, you come up with a diagnosis or analysis and determine a cure or solution. Ultimately, Lara chose a career path outside the medical field – working along the way for a venture capital firm and supporting entrepreneurs, she used her listening skills and empathy in design as a way to cure some of society’s ills. She joins MITidm program for the opportunity to solve problems as an entrepreneur and build new skills to blend mission with innovation and attack problems that matter. Lara is also an MBA Fellow at Sloan and she holds a Bachelor of Arts in Human Biology from Stanford University.

EXPERIENCE
Jasmine’s fascination with advancing a healthy planet began in her hometown in southern China. Her commitment continued into her years of higher education, first as an undergraduate environmental studies major and later an environmental management graduate student. Her professional career has taken her across continents to witness first-hand some of the most critical global environmental and humanitarian challenges. Through her work in the MITidm program, Jasmine wants to gain access to a state-of-the-art makerspace and nurture her passion from ideas to viable products that will lead to more efficient, sustainable use of natural resources. She earned a Bachelor of Arts from Colby College and a Master of Environmental Management from Yale School of Forestry & Environmental Studies.

EXPERIENCE
Priyanka wears many hats, including contemporary dancer, classical singer, athlete, artist, software engineer... and aspiring educator. She wants to tackle socio-technical problems in education in the developing world. Priyanka points to her native India as an example of having one of the largest higher education systems in the world, with a lot of room for significant improvement. She expects MITidm is providing unique opportunities for innovation, collaboration, and networking to achieve Priyanka’s vision. She has a Bachelor of Technology from Noida Institute of Engineering and Technology.
EXPERIENCE
Ramaa’s career as a graphic designer for international clients representing multiple industries has provided valuable experience in brand development, packaging, and shopper market research. Now Ramaa wants to create solutions that produce broader impact, turning her attention to companies rooted in human-centered design. The knowledge she gains through MITidm’s integrated curriculum will complement her core skills by exposing her to non-traditional design challenges. Ramaa envisions leading projects to tackle issues such as improving rural healthcare in India. She has a Bachelor of Arts in Graphic Communication from Loughborough University in the United Kingdom.

EXPERIENCE
As an industrial engineer, Javier is confident in his ability to think critically about concepts and challenges, as well as analysis and processes. Since he aspires to become one of the most proficient design professionals in his home country of Mexico, he wants to strengthen his problem-solving and leadership skills. He says the MITidm program is the ideal opportunity to prepare for the future. As a next generation designer, Javier will focus on modular product design solutions that will transform Mexico’s environment and society, where design impact experts are needed to address issues such as public space, waste management, and transportation. Javier has a Bachelor of Science from the Arizona State University, Fulton School of Engineering.

EXPERIENCE
Jairo has more than 10 years of professional experience as a graphic designer, helping clients in the public and private sectors develop their brands and tell their stories. As founder and creative director of MEZCLA design studio in Washington, D.C., Jairo focuses on the final user and their experience in everything he creates. With that success comes a desire to expand MEZCLA’s positive social impact in Latin America by producing transformative solutions to today’s challenges. In pursuing an advanced degree in the MITidm program, Jairo is strengthening his skills in the business and engineering aspects of design, while working collaboratively across disciplines. He has a Bachelor of Fine Arts from the Corcoran College of Art and Design.

EXPERIENCE
A.D. says his life’s purpose is to improve the minority experience in America through social design and economic empowerment. This passionate commitment is motivated by personal experience, growing up a Black male in a single parent home in Houston. A.D. recognizes his educational and professional success is a statistical anomaly. He is aware that so many others cannot overcome the oppression and inequities they face. A.D.’s idea is to dismantle the systems that are driving the plight of the minority American experience. MITidm is helping him integrate his business background with the skills necessary to initiate the creation of socially-designed solutions. A.D. has a Bachelor of Science in Business Administration from the University of Missouri and is an MBA candidate at the MIT Sloan School of Management.

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ANPING WANG ‘18

In his professional career as a product manager, Anping was not content with simply tracking user volume or enhanced user experience. He longed to dig deeper and gain critical insight into the global tech industry. Anping saw the benefit of observation and research to develop insight when an unlikely strategy to promote a game assistance software app brought his team significant success. With a degree from the MITidm program, Anping will apply his interdisciplinary knowledge to establish a company which will provide tech products in rural China. He has a Bachelor’s degree in Electromagnetic Field and Radio Technology from Xidian University.

EXPERIENCE

DANIEL WOLLIN, MD ‘18

As practicing physician specializing in endourology, in which small cameras and instruments are used for minimally invasive surgery, Daniel wants to make a positive impact on patient care from beyond the operating room. His fascination in the technology and function of the tools of his trade has prompted an interest in device design and continuous systems improvement. With his degree from MITidm, Daniel doesn’t intend to stop practicing medicine, but rather use his unique perspective as a physician to partner with a urology-focused research collaborative to advance endourology approaches from idea to design to testing to production to patient care. Daniel graduated from Williams College with a Bachelor of Arts in Biology and received his medical degree from the University of Chicago.

EXPERIENCE

MING HU “JENSON” WU ‘18

A native of Taiwan, Jenson’s mechanical design experience comes from his role as a principal engineer at an internationally known consumer electronics company headquartered in New Taipei City. Despite success in designing one of the world’s most powerful virtual reality devices, Jenson gained intimate knowledge about the challenges facing most Taiwanese companies, including incomplete product development processes and lack of core technologies. Now at MITidm, Jenson wants to strengthen his product innovation, research, and business management skills, which he plans to use to provide companies in Taiwan with product and technology development consultation services. Jenson has a Bachelor of Science in Industrial Engineering from National Tsing Hua University and Master of Science in Mechanical Engineering from National Taiwan University.

EXPERIENCE

XIAOYU “SHARON” YAN ‘18

Sharon strives to become a leader who embraces the future with both creative boldness and critical skepticism. Both her professional and extracurricular experiences have provided valuable perspectives on that path. As a corporate consultant, Sharon has managed projects that successfully fuse the powers of business, design, and technology. As a hobbyist hacker, she has learned the importance of a human-centric approach in applying design principles to solve a challenge. Sharon is drawn to the MITidm program because it celebrates the process of creation and investigation, and genuinely acknowledges the symbiotic relationship between the designer and the user. She has a Bachelor of Arts in Philosophy and History from Columbia University.

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KEVIN YU  ’18

EXPERIENCE
Kevin works according to the values he hopes will inspire startup founders in their drive to be successful: the user’s needs are the only ones that matter; nothing great is accomplished alone; and when in doubt, build it. He has always been passionate about design and entrepreneurship, and his consultancy is focused on helping startups in the technology field manage design projects for products, brand identity, and user experience. Kevin is using his MITidm opportunity to extend his capabilities beyond design by learning to be more interdisciplinary and deliver more business impact. He has a Bachelor of Fine Arts in Industrial Design from the Rhode School of Design.

TIANQI ZHOU  ’18

EXPERIENCE
Artificial intelligence is becoming ubiquitous, a testament to advances in technology and design. But Tianqi is concerned that this is creating a world in which people mostly interact with intelligent – but emotionless – computers instead of humans. She already sees hints of this, as the mobile internet connects people no matter their distance, while at the same time, keeping them estranged behind screens. Tianqi believes that if robots are more than a tool, empathetic user experiences are possible. She knows interdisciplinary collaboration is the key to the future success of emotional AI. Tianqi’s desire to improve her business and systematic management skills led her to MITidm. She has two undergraduate Bachelor of Science degrees, one in management and the other in biostatistics, from Zhejiang University in her native China.
Matthew S. Kressy, founding director of the MIT Integrated Design & Management (IDM) master’s degree program, is an expert in product design and development. As an entrepreneur and founder of Designturn, he has designed, invented, engineered, and manufactured products for startups, Fortune 500 companies, and everything in between.

Kressy believes in interdisciplinary, design-driven product development derived from deep user research, creative concept generation, and rapid prototype iteration. He is passionate about teaching this approach to the design process. Since 1999, Kressy has co-taught collaborative courses in product design and development at top design and business schools including the MIT Sloan School of Management, the Rhode Island School of Design (RISD), and Harvard Business School.

As IDM director, Kressy leads curriculum development and co-teaches the track’s primary and required courses. He holds a BFA in industrial design from RISD.
Steven D. Eppinger is a professor of management science at the MIT Sloan School of Management. He is the faculty co-director of System Design & Management, a program that features master's degree tracks in integrated product development and in complex system development.

Eppinger teaches courses in product design and innovation, engineering project management, and product management. Notably, he has created an interdisciplinary product development course in which graduate students from engineering, management, and industrial design programs collaborate to develop new products. He also teaches Sloan MBA and executive programs. He is the co-author of a leading textbook, Product Design and Development (McGraw-Hill), which is now in its sixth edition.

A highly recognized scholar in the area of product development and technical project management, Eppinger helped pioneer the widely used Design Structure Matrix (DSM) method for managing complex system projects. He is also the co-author of a book based on DSM research, Design Structure Matrix Methods and Applications (MIT Press).

Eppinger received SB, SM, and ScD degrees from MIT’s Department of Mechanical Engineering before joining the MIT faculty in 1988. He has received many awards and honors.

Tony Hu is an entrepreneurial product development leader who champions design, creativity, and innovation.

For over 25 years as head of product design and development at small companies and large corporations, Hu has brought more than 200 consumer products to market globally, including electronics, appliances, toys, and sporting goods. As an inventor, he’s licensed 22 products and been awarded 18 patents.

As a teacher, Hu is a rarity: an engineer with a deep background in design and business who loves sharing his holistic approach to product design with students. He has taught product design at MIT and Stanford for 13 years prior to joining IDM where he is responsible for delivering the core curriculum. Hu earned his BS in electrical engineering at MIT, conducting research at the Media Lab, and his MS in product design from Stanford.
**Michael A. M. Davies**  
**Senior Lecturer**

Michael A. M. Davies is the founder and chairman of Endeavour Partners, a boutique business strategy consulting firm that enables leaders in high-tech businesses and businesses being affected by technology worldwide to create value and drive growth through innovation. Endeavour Partners helps its clients anticipate, navigate, and innovate through insight and foresight in order to make better strategic decisions. Its clients include nearly all of the top-tier device vendors, network operators, service providers, and semiconductor businesses. Beyond high-tech, its clients include some of the world’s leading e-commerce, information services, oil and gas, packaging and logistics businesses, along with world-class sports teams.

Davies is an expert on the connections between technology, innovation, product development, consumer choice and behavior, the adoption and diffusion of new products, intellectual property, and the emergence and evolution of platforms and business ecosystems.

Nowadays, he is focused on the rapid shift toward smartphones, cloud services, the Internet of Things, artificial intelligence, and robotics, particularly the forces driving this shift and its impact and implications over the next few years.

Davies brings his wealth of experience to IDM as a senior lecturer and he covers business and engineering topics such as business plans and pitching, funding entrepreneurship, and product marketing.

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**Andy MacInnis**  
**Technical Instructor**

Even before Andy MacInnis went to college, his life was full of creative pursuits—from constructing his first train sets, plastic models, bicycles, and tree forts through to garage boat building and art classes. The Rhode Island School of Design set fire to the designer in him and gave a purpose to his burgeoning skills.

Upon graduating, he joined a team of seasoned builders to create world-class racing boats, fabricating components from composite materials. That led to an apprenticeship with a designer/engineer who gave MacInnis an old-school foundation in model-making and prototyping for product design. With a move to Boston, MacInnis entered the mainstream of design as the shop manager at Continuum, where he created a professional shop and implemented best practices. Newfound confidence and a desire to be challenged prompted him to found Monster Prototype, which over a period of 10 years grew into the go-to model and prototype firm in the Boston area.

Clients included designers and manufacturers in the consumer product, medical, footwear, and sports industries. His product development work led to his involvement in soldier-worn protective equipment, resulting in the introduction of several groundbreaking products for industry leaders.

All of this experience is now making its way to MIT’s IDM students by way of hands-on workshops, where dirty hands are expected. And, when he’s not at home with his young family, MacInnis finds restoring cars, bicycles, furniture, and houses competes for time with his love of small boats.