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DTE Energy is a proud sponsor of the 32nd ASEI National Conference.







"Entrepreneurship leads to emerging technologies."

I am pleased to welcome our distinguished speakers, fellow engineers, scientists, entrepreneurs, and all the participants of ASEI's 32nd National Convention. I am honored to serve as the President of ASEI and am grateful to the National Board and all Executive Committee Members of all chapters for their support and confidence in bestowing me with this distinguished position and opportunity.

The theme of this year's convention is "Emerging Technologies & Entrepreneurship." Emerging Technologies is nothing but modern incremental advances and innovation in various fields of technologies. By merging mobile technology with digital transformation and innovation, provides an opportunity in development of futuristic, disruptive and innovative solutions. Entrepreneurs can take advantage of these technologies to drive our future economy. This convention provides a unique opportunity to bring talented leaders together to share their experiences in the field of emerging technology and entrepreneurship.

ASEI was founded in 1983 and looking back over the past 34 years; ASEI has come a long way from being a small regional organization to a National organization with several chapters throughout the country. We take pride in our achievements through various programs and recognition such as ASEI Awards, Scholarships, Technical Symposium and Networking Meetings, STEM Awareness, Youth Mentoring and Exhibitions, Cultural Events, and Community Service Activities.

On behalf of ASEI, I want to extend a heartfelt thanks to our convention sponsors, brochure advertisers, and exhibitors for their support and commitment to make this event successful. It was the vision of the Convention Planning Team to inform, entertain, and provide a networking forum to our guests in a pleasant and comfortable environment. Our goal for today's event is to meet and exceed your expectations.

This message would be incomplete if I did not express a word of thanks to my family, all the attendees of the convention, and ASEI Michigan chapter team for their selfless dedication and efforts to make this convention a huge success. I hope you enjoy the convention.

Best regards,

Rakesh Patel

President - ASEI National Board



About ASEI

ASEI BACKGROUND

The American Society of Engineers of Indian Origin (ASEI) is an organization of engineers and technical professionals of Indian origin. ASEI was established in 1983 in Michigan, and is a non-profit organization (Tax ID # 38 -2468829). Since its inception in 1983, ASEI has strived to strengthen the Indo-American relationship, institute a channel of communication between technical organizations within the United States and abroad, lend a helping hand to charitable organizations, provide assistance to engineering students at the Local and National levels, and organize networking events.

ASEI Vision

To provide a platform for networking, career advancement, community service, and technology exchange to technical professionals of Indian origin.

ASEI Mission

- Provide career guidance and mentoring to members
- Recognize outstanding engineers, students and entrepreneurs
- Provide scholarships to students
- Host annual national conventions and local chapter networking meetings
- Participate in humanitarian projects
- Promote Indo-American relationship
- Promote technology transfer between India and USA

ASEI Purpose

The purpose of ASEI is to encourage and nurture the next generation of engineers and technical professionals. ASEI is committed to making our communities better places to live. Therefore every chapter supports the local community events, encourage our team members to volunteer and donate generously to charities. ASEI aim to give back to the community by spurring development and economic growth in vibrant economies as well as under-developed regions.

ASEI Principles

- Volunteering
- Involvement
- Commitment
- Fellowship/Mentoring
- Excellence
- Leadership
- Diversity
- Encouragement
- Respect
- Advancement
- Recognition

Message from National Convention Chairman



It is my privilege to welcome everyone to the 32nd ASEI National Convention in Novi, Michigan. It is truly an honor to serve as the Chairman of this event under the theme of Emerging Technologies & Entrepreneurship (ETE 2017). I am grateful to the ASEI National Board and Michigan Chapter team for trusting me to lead the planning and execution of the ETE 2017 convention. I am confident that all ETE 2017 Convention attendees will find their participation rewarding while expanding their professional and personal network.

It is really remarkable to note that in last 34 years, ASEI has organized 32 annual conventions. The ASEI National Convention is actually a celebration. We are celebrating the contributions of engineers of Indian origin. We take pride in providing a forum where

engineers from various backgrounds can come together to share their success stories while learning from one another. The ETE 2017 Convention will feature many subject matter experts who will be presenting on different topics related to our theme. We are also focusing on the next generation of engineers by organizing Youth Technology Exhibition (YTE) for middle school and high school kids. This exhibition is part of ETE 2017 convention. We have planned a gala banquet to recognize outstanding contributions and accomplishments of several individuals by presenting ASEI Awards. We will conclude the day with live Bollywood entertainment to celebrate 70 years of Indian independence.

It is impossible to organize an event of this magnitude without the support from our sponsors. I am thankful to all our new and repeat sponsors for their generous contributions. I also want to acknowledge the support received from all speakers. It is very kind of them to take time out of their busy schedule to speak at our convention. I want to thank all volunteers who have worked really hard for several months to ensure all aspects of the convention are handled properly. I am grateful for their dedication and sincerity as we worked together to create a successful convention. Finally, I am very fortunate to have encouragement and support from my family throughout the year so that I could focus on planning this convention.

Best regards,

Jwalant Lakhia
Convention Chairman



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ASEI ETE 2017 Convention Team

Convention Chairman: Jwalant Lakhia

ASEI National President: Rakesh Patel

President ASEI Michigan Chapter: Chirag Shah

Finance & Sponsorships: Vijay Mahida, Sunanda Mahida, Ram Ramanujam,

Bhavesh Joshi, Ravi Majmudar, Bhusan Modi, Prakash

Patel, Chirag Shah, Santosh Tiwari, Anjali Tiwari

ASEI Awards: Bhushan Modi, Dr. Thomas Abraham, Sanjay Patel

Speaker Selection & Coordination: Ram Ramanujam, Jwalant Lakhia

Youth Technology Exhibition: Vatsala Upadhyay, Lalita Kambhampati, Jesal Shah

Web Design & Publications: Sanjay Patel

Audio/Video: Prakash Patel, Chirag Shah

Marketing & Publicity: Sanjay Patel, Vatsala Upadhyay, Lalita Kambhampati

Venue Management & Hospitality: H. B. Singh, Krishal Dalal, Manish Parikh, Chirag Shah

Brochure: Ashok Rayathatha, Ravi Majmudar, Bhavesh Joshi,

Rakesh Patel

Printing Shanti Patel (Flash Printing)

Convention Plagues: Rakesh Patel, Chirag Shah

Event Photographer: Suman Raval

Web Promotion: miindia.com (Anand Kumar)

Endorsing Sponsors: Ford Asian Indian Association (FAIA),

GM Asian Indian Affinity Group (AIAG)

TiE Detroit

Entertainment Kuldip Bhatt (Sammvad Music & Media Services)



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Message from ASEI Michigan Chapter President



On behalf of the Michigan Chapter of ASEI, it is my great honor to host the 32nd National Convention of the American Society of Engineers of Indian Origin at the Novi Civic Center in Novi, Michigan. Novi is not only equidistant from the major campuses of the top North American Automotive Manufacturers but it is also close to the University of Michigan, Ann Arbor campus and itself a thriving hub of Engineering Innovation and Entrepreneurship. I hope you get an opportunity to go around this region and see what a re-emerging Detroit area looks like.

Our theme this year is "Emerging Technologies and Entrepreneurship - ETE 2017" and most of us are familiar with one or both of these areas. Ever since the Industrial Revolution, Engineers have been the driving force of Innovation and Entrepreneurship that has fueled Technological Advances and transformed society. We continue to do so and the pace keeps on accelerating. To continue the legacy of engineering innovation, we are increasingly focusing on the younger generation by concurrently hosting our 2nd Youth Technology Exhibit or YTE. We see strong interest from our budding engineers and entrepreneurs as well as experienced members who support them with sponsorships and guidance.

India has been a fountainhead of Engineering Innovation and Vishwakarma's disciples have contributed to the development of technology from time immemorial. The gauntlet was picked up by Visvesvaraya and JRD Tata in more recent times and Indian Engineers have now not only built a bridge from Silicon Valley to Bengaluru but have also left a mark on many Engineering Organizations around the world.

Michigan is the founding chapter of ASEI and we are honored to have so many of the founding members still supportive of our Chapter. They have guided us all these years and with a strong support from the volunteers who have over the years devoted their time and energy, we have been able to hold many successful conventions. I would personally like to thank our tireless volunteers in the Chapter Executive Committee, our Advisors as well as those who have been part of our Convention committees and spent many days, weeks and months planning and organizing. I would also like to thank the National Board for providing their guidance and support as well as our sponsors for their generosity and encouragement. I would like to applaud the winners of the various awards that will be handed out during the convention.

My team and I hope to see you all at the convention and we hope you leave with a wonderful memory of it.

Sincerely,

Chirag Shah

President, ASEI - Michigan Chapter

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City Clerk Cortney Hanson December 9, 2017

Dear Friends,

On behalf of the Novi City Council and the entire community, it gives me great pleasure to welcome the American Society of Engineers of Indian Origin (ASEI) - Michigan Chapter to Novi. We are honored you have chosen our city to host the 32nd Annual Convention focusing on Emerging Technologies and Entrepreneurship.

In Novi, we have much to be proud of – excellent schools, quality public safety, friendly neighborhoods, quality development, and abundant recreational opportunities. Additionally, we are extremely proud of our cultural diversity and the wide array of talents which enhance our community and business offerings daily.

I hope today finds all attendees enjoying wonderful fellowship while advancing our emerging technologies and the spirit of entrepreneurship.

Again, welcome to Novi. My best wishes for your continued success,

Bob Gatt Mayor

Sol La

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December 9, 2017

American Society of Engineers of Indian Origin -

I write to congratulate you on the auspicious occasion of your 32nd National Convention and to celebrate the continued success of your amazing organization.

Your phenomenal mission of promoting and sharing "advancements related to emerging technologies" is so very important. Thank you for bringing together scientists, engineers, entrepreneurs, students, educators, policy makers, and corporate leaders for this forum. The focus on "Emerging Technologies & Entrepreneurship" is an excellent choice and especially timely.

The region of metropolitan Detroit and the state of Michigan, as well as the entire United States of America, are stronger because of your members and

your valiant work. On behalf of the hundreds of thousands of Michiganders that I represent in the United States House of Representatives, thank you for giving of your time and your talents to make our community stronger, more prosperous, and more inclusive.

I am pleased to greet everyone in attendance and offer my best wishes to ASEI's leadership and to the entire organization. Thank you again for all that you do to uplift the community, congratulations on your 32nd Annual Convention, and God Bless you.

Warm Regards,

Brenda L. Lawrence Member of Congress

CELED-



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Message

On behalf of the Consulate General of India as well as the Indian community in the Midwest area, I want to congratulate the American Society of Engineers of Indian Origin (ASEI) for organizing its 32nd annual convention focusing on Emerging Technologies and Entrepreneurship on December 9, 2017.

It is really great to see ASEI continuing to add value for its members and the community it serves. ASEI is instrumental in providing a forum where engineers are able to work towards a common goal while finding opportunities related to professional advancement and learning. The commitment of Indian origin engineers towards excellence in their chosen areas and their hard work and dedication towards building the India -US Partnership has been remarkable.

The theme for the 32nd annual convention is consistent with increasing convergence of technology and entrepreneurship – both in US and in India. I want to extend my best wishes for a successful convention and all future endeavors.

(Neeta Bhushan) Consul General

Mosto

Place: Chicago

Dated: 27th November, 2017



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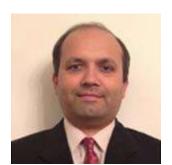
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2017 ASEI - National Board



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2017 ASEI - National Board



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Aastha Verma NCC Chapter President



Aaron Ghumman Seattle Chapter President



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Chirag Shah MI Chapter President



Arun Raja SoCal Chapter President





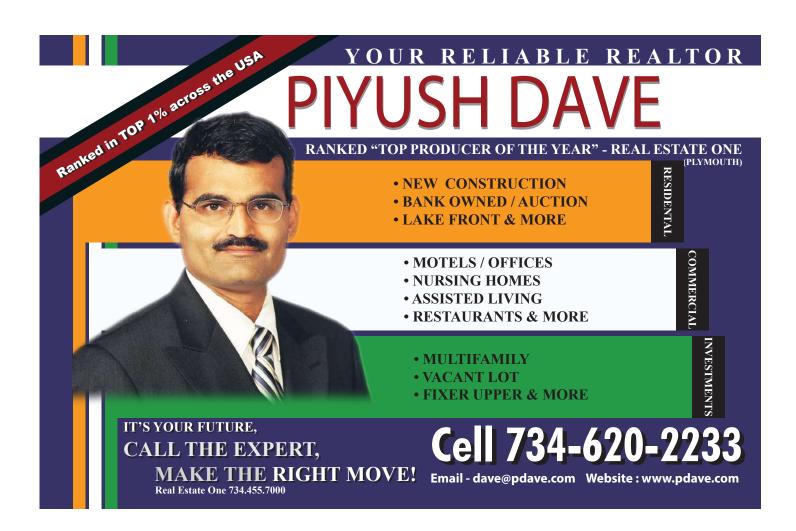
Youth Technology Exhibition

ASEI Michigan chapter is organizing the 2nd ASEI Youth Technology Exhibition (YTE) for Middle and High School students. The Youth Technology Exhibition is designed to encourage exploration of Science, Technology, Engineering and Math. ASEI provides a unique opportunity to showcase understanding of STEM to professionals including scientists, engineers, entrepreneurs, and corporate leaders across USA. All YTE participants will get the ASEI Plaque and a \$25 gift certificate. This Exhibition is part of 32nd ASEI National Convention – ETE 2017.

YTE 2017 is featuring following exhibits and participants:

Team	Exhibition Project Title	Participants
1	The Drone Magic - (East Middle School Team)	Pranay Shah, Sohan Amin, Dev Thawani, Hetu Shah, Aryan Chokshi
2	Computer Game (Davis Junior High + Smith Middle School + Boulan Park Middle School + Heritage Middle School)	Hitanshi Vaidya, Tanusree Makwana, Puja Bhavsar, Heli Shah
3	Upregulation of Ribosomal Pathway (International Academy)	Karthik Ravi
4	Novi Middle School Robotics Demo (Novi Middle School Team)	Kunal Bose, Krishanu Bose
5	Mechanical Monkeys Robotics (Bloomfield Hills Middle School Team)	Om Joshi, Michael Chen, Heather Chen, Chloe Patterson, Bowie Cooper
6	Lead Alert Now, used to detect lead in water (Adams High School + Van Hoosen Middle School)	Gargi Ramekar, Janhavi Ramekar
7	The Redesigned Internet (Novi High School Team)	Srushti Pandya, Shaurya Pandya
8	Shark Warriors Car Wash (Ridgewood Elementary + Thorton Creek Elementary + Winchester Elementary School + Amerman Elementary School)	Ananya Ilanchelian, Ashni Rayathatha, Pavithra Venkatesh, Pradyumna Jamadagni, Raghav Santhanam Rishan Patel
9	Omni dimensional swerve drive (Northville High School)	Tanvi Doshi, Keya Patel, Jasmine Kim, Rachel Reiz, Alex Steining
10	Autonomous Vehicles (North Farmington High School)	Dhyey Dalal, Nilay Mistry

8:00 am - 8:00 pm	Registration - Atrium		
8:00 am - 9:00 am	1	nental Breakfast - Atrium	
9:00 am - 9:30 am	Welcome Address - Jwalant Lakhia - Convention Chair Opening Remarks - Rakesh Patel - ASEI National Chairman		
	Meeting Room : Council Chamber		
9:30 am - 10:05 am	Are Safe Driving Cars The Next Transportation Revolution? Council Chamber		
	Speaker: Jeff Hannah, Director - SBD		
10:10 am - 10:45 am	Entrepreneurship and Emerging Technologies : Council Chamber		
	Speaker: Chris Holman, Founder & CEO - Michigan Business Network		
10:50 am - 11:25 am	Emerging Trends in Transmission and Driveline Technologies for the Auto Industry Council Chamber	Tax Considerations for Entrepreneurs Activities Room	
	Speaker: Ram Krishnaswamy, Director - Ford	Speaker: Anthony Palma, Regional VP - Prudential	
	Lunch - Atrium		
11:30 am - 12:50 pm	Lunch Guest Speakers: Sanjay Dhall, CEO - Detroit Flying Cars Mehul Desai, Founder & CEO - DeZai, LLC		
	War on Cash	Innovation Opportunities	
1:00 pm - 1:35 pm	Council Chamber Speaker: Mehul Desai, Founder & CEO - DeZai, LLC	Activities Room Speaker: Vel Subramanian, Principal/VP - GHD	
	Cybersecurity and Health Care	Entrepreneurship and Social Media	
1: 40 pm - 2:15 pm	Council Chamber	Activities Room	
	Speaker: Dr. Manoj Prasad, Vice President, Futurenet	Speaker: Nipa Shah, Digital Marketing Specialist, Jenesys Group	
2:15 pm - 2:30 pm	Break - Atrium		
		ations in Branding	
2:30 pm - 3:05 pm	Speaker: Amrit Mehta, Director - Chevy, GM Council Chamber		
	Intelligent Transport Systems		
3:10 pm - 3:45 pm	Speaker: Rashmi Rao, Director - Harman International		
	Council Chamber		
	Panel Discussion - Building Viable Business for Emerging Technologies		
	Council Chamber		
2.50	Panelists		
3:50 pm - 4:30 pm	Sanjay Dhall, CEO - Detroit Flying Cars		
	Nand Kocher - Chief Engineer, Global Safety - Ford Sridhar Lakshmanan - Associate Professor, Electrical and Computer Engineering - UofM, Dearborn		
	Moderator: Anu Gopalakrishnan, VP - TiE Detroit		
4:30 pm - 6:30 pm	Youth Technology Exhibition - Atrium		
6:00 pm - 7:00 pm	Appetizers, Networking, Banquet Registration - Atrium		
	Banquet / Awards & Recognition / Dinner - Banquet Hall (all 4 quads)		
	Banquet Keynote Speakers:		
7:00 pm - 10:00 pm	Sam Mahalingam - CTO HPC/Cloud Solutions, Altair Mamatha Chamarthi - CIO, ZF TRW		
7.00 pm 10.00 pm	Hon. Brenda Lawrence, US Congresswoman, Michigan 14th District		
	Bollywood Entertainment Program : India @ 70 - Presented by Kuldip Bhatt - Sammvad		





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2017 ASEI – Michigan Chapter Committee



Chirag Shah President



Sanjay Patel Vice President



Ravi Majmudar Director



Prakash Patel Treasurer



Lalita Kambhampati Director



Vatsala Upadhyay Director



Samir Mehta Director



Ram Ramanujam Director



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Manish Parikh Director



Bhavesh Joshi Director



Congratulations to Hari Bindal – ASEI Founding Member for receiving the Pravasi Bhartiya Samman Award



January 09, 2017

The Pravasi Bharatiya Samman Award (PBSA) is the highest honour conferred on overseas Indians.

PBSA is conferred by the Hon'ble President of India as a part of the Pravasi Bharatiya Divas

Conventions organized annually since 2003 on Non-Resident Indians, Persons of Indian Origin or an organization or institution established and run by the Non-Resident Indians or Persons of Indian Origin in recognition of their outstanding achievements both in India and abroad.

The 14th edition of the Pravasi Bharatiya Divas (PBD) Convention was held in Bengaluru from 7-9 January, 2017. The Pravasi Bharatiya Samman Awards were conferred by the Hon'ble President at the PBD Convention on 9 January, 2017 in the valedictory session of the Pravasi Bharatiya Divas celebrations in an impressive ceremony.

A 11-member Jury-cum-Awards Committee, with Hon'ble Vice-President as Chairman and Hon'ble External Affairs as Vice-Chairman and nine other distinguished members from various walks of life, considered the nominations for the Pravasi Bharatiya Samman Awards, 2017 and had unanimously thirty nominees. Ms. Nisha Desai Biswal, Assistant Secretary of State, Department of State, delivered the acceptance speech on behalf of the awardees.

2017 ASEI – Michigan Chapter Committee



Deval Desai Advisor



Rakesh Patel Advisor



Jwalant Lakhia Advisor



Jay Shah Advisor

Best Wishes and Congratulations

to ASEI Michigan Chapter for Hosting
The ASEI 2017 National Convention
From

The Founder of ASEI



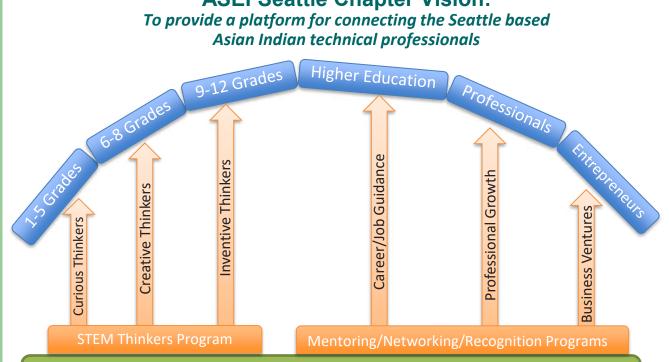
Mr. Hari B. Bindal





ASEI Seattle Chapter Vision:

To provide a platform for connecting the Seattle based Asian Indian technical professionals



ASEI SEATTLE ORGANIZATION (Students, Parents, Professionals, Academia, Retirees)

ASEI Seattle will connect everyone – from Kids to Retirees!





2017 ASEI National Award

ASEI Technology Leadership Award

ASEI Engineer of the Year Award

ASEI Entrepreneur of the Year Award



Mamatha Chamarthi The Collaborative CIO ZF-TRW



Dr. Rahul Mital Global Technical Specialist General Motors



Bhushan Kulkarni CEO GDI Infotech / InfoReady Corporation

ASEI Founder's Award



Aaron Ghumman President ASEI – Seattle Chapter

2017 ASEI Michigan Chapter President's Award

In Recognition of Your Dedicated Service & Commitment to ASEI



Harinder Bir Singh

In Recognition of Your Dedicated Service & Commitment to ASEI



Anjali Tiwari

In Recognition of Your Dedicated Service & Commitment to ASEI



Santosh Tiwari



ASEI launches a non-profit called "STEM Thinkers" in Oct, 2017



STEM Thinkers Vision:

"To inspire our children to pursue careers in Science, Technology, Engineering, & Math (STEM) fields"





STEM Thinkers will develop three age-specific educational programs:

- Curious Thinkers Program (Elementary School Level)
 - Inspire kids to be curious by engaging them in simple and fun concepts
- Creative Thinkers Program (Middle School Level)
 - Inspire kids to be creative by engaging them in foundational concepts
- Inventive Thinkers Program (High School Level)
 - Inspire youth to be inventive thinkers by engaging them in practical problem solving via competitions and challenges.





STEM Thinkers is a 501(c)3 non profit charitable organization (www.stemthinkers.org)



Keynote Speaker



MAMATHA CHAMARTHI (SR VICE PRESIDENT, CHIEF DIGITAL OFFICER, ZF FRIEDRICHSHAFEN AG)

As an award-winning, high-performance technology management executive with more than 20 years of experience across multiple industries and on a global scale, Ms. Chamarthi knows what it takes to create sustainable business outcomes through technology. At the foundation of her success is an extraordinary ability to unify and build collaborations across a broad range of stakeholders and all lines of business. Her focus is on innovation, transformation,

productivity, and the customer experience with a goal of creating strong financial returns, competitive advantages, and employee and customer engagement. As a transformation leader, she is no stranger to turning underperforming organizations and teams into star achievers. Her success has earned her high regard, multiple awards, industry speaking engagements, and accolades in the media. Currently, Ms. Chamarthi is the Chief Digital Officer of ZF Friedrichshafen AG and Global CIO of ZF TRW. Ms. Chamarthi's role as Vice President and Chief Information Officer for Consumer Energy is a clear testament to her strengths as an executive leader. As the company's first CIO, she was challenged with invigorating and reinventing multiple aspects of the technology organization. Most notably, she evangelized and led a multi-year technology and business roadmap that transformed the company from a commodity provider to a customer value driver, delivering next generation technologies that revolutionized business performance. This role underscored Ms. Chamarthi's strength as a skilled collaborator internally and externally. For example, she founded an employee development initiative (EDSI) in collaboration with the Governor of the State of Michigan and other strategic partners, and serves as an active leader on several Boards of technology-related nonprofit organizations. Ms. Chamarthi offers strong credentials with two M.B.A. degrees, a Master's in Computer Science, and a Master's Certificate in Project Management. In addition to many corporate awards, Ms. Chamarthi has been recognized as a "Top 25 Finalist for Breakthrough Leaders" from CIO Magazine and a "Premier 100 IT Leader" from Computer World.



MEHUL DESAI (ENTREPRENEUR, AUTHOR & INVESTOR, LTP - LET'S TALK PAYMENTS, DEZAI, LLC)

Mehul Desai has 25 years of experience in ICT and related applications worldwide, focusing on intellectual property, product development, business development, strategy and international operations. Mehul has done pioneering work in the field of secure transactions for mobile phone users, evolving the Digital Wallet to Mobile Wallet to Lifestyle Container. Mehul co-founded C-SAM, Inc. in 1998, which was acquired by MasterCard Worldwide in

2014. Mehul Desai is focused on fostering innovation in the areas of Technology, New Media and Social Entrepreneurship. Mehul is founder and CEO of DeZai, LLC. Mehul is an expert-in-residence at the Polsky Center for Entrepreneurship and Innovation at the University of Chicago. Mehul is on the board of several companies, which include Lets Talk Payments, Personal Blackbox, PEaaS, Rotostat and SWYCH. Mehul Desai co-authored a book – March of

Mobile Money, The Future of Lifestyle Management - which was published by Collins Business in 2010. Mehul has authored a new book - August of Money, The Quest for Cashless Society - which was published by Let's Talk Payments in August 2015. Mehul Desai has been involved with industry forums focused on developing standards for secure mobile transactions, including the MPIW or Mobile Payments Industry Workgroup, an industry task force convened by the US Federal Reserve. Mehul is the co-inventor of issued patents and pending applications. Mehul often speaks at industry conferences on topics related to mobile commerce and payments, and, innovation and entrepreneurship.



SANJAY DHALL (FOUNDER OF DETROIT FLYING CARS, AND PRESIDENT OF EMERGENT SYSTEMS CORP.)

Sanjay Dhall is the Founder of Detroit Flying Cars, and President of Emergent Systems Corp. After departing Ford and Siemens PLM in the late 90s, Sanjay launched Emergent Systems to provide innovative design, engineering, and product development services for automotive, aerospace, wind energy and consumer goods, with an emphasis on developing technical solutions, implementing them in real-world environments, and reengineering business processes for greater efficiency. Auros Knowledge Systems is a recent spin off to provide a

system for "knowledge aware" decision making in large automotive, aerospace, and manufacturing companies. Sanjay is an avid inventor and holds numerous patents in areas as diverse as aerospace, product engineering and knowledge management. His work shows a flair for finding creative expression in engineered products. He is particularly interested in introducing new approaches, bridging diverse domains, small footprint thinking and seeking efficiencies. Sanjay has had a lifelong passion for designing, building and flying models and full size aircraft. This passion in aerospace design and a desire to bridge the divide between road and air led him to found Detroit Flying Cars, where he is working on making the flying car a reality. Sanjay studied business at the University of Michigan Stephen M. Ross School of Business. He earned a Master of Science in Mechanical Engineering from the University of Toledo, and a Bachelor of Science in Mechanical Engineering from the Indian Institute of Technology Bombay.



SAM MAHALINGAM (CHIEF TECHNICAL OFFICER, HPC/CLOUD SOLUTIONS, ALTAIR)

Srikanth (Sam) Mahalingam is the Chief Technical Officer for Altair's cloud computing and high-performance computing strategy, with the primary responsibility of applying the newer cloud and mobile technologies to the digital simulation, high performance computing world and identifying and mentoring talented individuals within the organization. With more than 20 years of experience in software development, software architecture, technical management and project management, Mahalingam's role focuses on shaping the current products and identifying newer products and solutions to ease the cloud adoption and

mobile strategies for Altair customers both in the Simulation Lifecycle Management and High Performance Computing Lifecycle Management arenas.



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Mahalingam joined Altair in 1994 and worked on various products and projects both in the custom services and product teams. He then joined a technology start-up as a joint promoter for launching disruptive virtual try-on product into the market that was later acquired by a large software services firm in India. He rejoined Altair in 2005 to spear head newer product initiatives that includes the cloud platform and eventually became the thought leader within Altair for the Enterprise Software Strategy. Mahalingam holds a bachelor of engineering degree in Computer Science and Engineering and executive masters of business administration from the Indian School of Business.



BRENDA L. LAWRENCE (CONGRESSWOMAN BRENDA L. LAWRENCE OF MICHIGAN'S 14TH DISTRICT)

Congresswoman Brenda L. Lawrence has lived in Michigan's 14th Congressional District, which includes a portion of Detroit as well the City of Southfield and 16 other cities located in Oakland and Wayne counties, her entire life. She was re-elected to the U.S. House of Representatives in November of 2016, where she serves as a Senior Whip, Vice Chair of the Congressional Caucus for Women's Issues and Secretary of the Congressional Black Caucus. She serves on the Transportation and Infrastructure Committee, where she also serves on

the Subcommittee on Aviation, Subcommittee on Highway and Transit, Subcommittee on Water, Resources and Environment. She is also a member on the House Oversight & Government Reform Committee where she serves on the subcommittee on Government Operation. Born and raised in Detroit, Congresswoman Lawrence is a product of Michigan's public school system. She is an alumna of Pershing High School and earned her bachelor's degree in Public Administration from Central Michigan University. Before she began her career in public service, the Congresswoman had a notable career with the U.S. Postal Service. She was elected Mayor of the City of Southfield in November of 2001 and became the first African American and the first woman to serve in that post. She previously served on the Southfield City Council, where she was elected President in 1999. She has also served on the Southfield Public School Board of Education as President, Vice President, and Secretary. She and her husband, McArthur Lawrence, are the proud parents of Michael and Michelle. They also adore their granddaughter, Asya.

Speakers



AMRIT MEHTA (EXECUTIVE DIRECTOR - GM NORTH AMERICA & GLOBAL CHEVROLET/GMC PORTFOLIO PLANNING , AT GENERAL MOTORS)

Amrit Mehta is Executive Director - GM North America & Global Chevrolet/GMC Portfolio Planning, at General Motors Company. During his 19-year career at GM, Amrit has held various management and leadership positions in Product & Portfolio Planning, Customer Experience, Strategy & Performance Management, Brand Management, and Franchise/Network Management. He has worked on several brands including Chevrolet, Buick, GMC, Saturn, Pontiac, and Saab. Amrit has a Bachelor's Degree in Mechanical

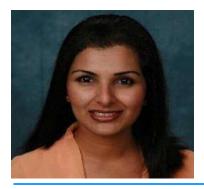
Engineering (India), a Master's in Business Administration (UK), and has also earned Chartered Professional Accountant (CPA), Certified Management Accounting (CMA) designations from Canada. Prior to his recent assignments in the United States, Amrit has lived/worked in India, UAE, UK, and Canada. Amrit is an alumnus of the Governor General's Canadian Leadership Conference (2008), and serves on the board of The CHARGE Syndrome Foundation (www.chargesyndrome.org).



NIPA SHAH (MARKETER & TECHNOLOGIST, JENESYS GROUP)

Nipa Shah is one of Southeast Michigan's leading marketing experts leveraging her 20-year career at General Motors along with more than 10 years of successful entrepreneurship. Nipa is the founder of Jenesys Group (JG), a marketing consultancy. JG has created 700 websites and managed & executed over 300 digital marketing campaigns. Nipa's professional career started at General Motors Corporation where she quickly gained a reputation for directly impacting the bottom-line. Nipa saved General Motors \$30 million dollars through reengineering activities, by consolidating applications

and streamlining operations. Nipa also led the negotiations for technology contracts valued at \$850 million and helped GM achieve over \$200 million in savings. In 2015, Nipa became an "indie filmmaker" with the production of a Hollywood feature film, Paid in Full. She continues pursuing her passion for filmmaking, with the production of documentaries & short films on topical social issues.



RASHMI RAO (SENIOR DIRECTOR USER EXPERIENCE, HARMAN INTERNATIONAL)

Rashmi Rao is currently Director, Advanced Engineering at Harman Inc, responsible to define technology strategy and roadmap in the area of next-gen INCAR Infotainment System platform and accountable for the direction and management of the engineering organization. She has over 15+ years of technology and leadership experience and was most recently at Apple Inc., focused on Technology and Strategy for iPhones. Prior to that she was Director of Technology at Tandem Launch Technologies where she was

responsible for scouting, accelerating, and commercializing early-stage technologies from the world's top universities for partners at Fortune 50 Technology / Consumer Electronics companies.



ANU GOPALAKRISHNAN (VICE PRESIDENT, TIE DETROIT)

Anu Gopalakrishnan is the Senior Product Manager - Automotive Audio at SiriusXM - premier satellite radio content provider. Prior to this, Anu was the Global Product Manager - Innovation for Ford Credit with several years of experience in the Connected Car Digital Marketing space with Ford Motor Company. Anu has closely been involved with brand development and optimization, new customer acquisition, stakeholder partnerships, multi-media marketing, ad agency collaborations and planning/organizing global trade shows including CES, CTIA and LA Auto Show. Anu has a strong Global Product Marketing background with over 15 years of experience in digital marketing and

strategy. Her passion involves mobile design strategy, e-commerce development involving subscription models, digital content distribution and product development of innovative projects for global markets. Anu Gopalakrishnan is an alumnus, rank holder and an honors graduate student from University of Madras, India and Eastern Michigan University, Ypsilanti in the field of Mass Communications - Journalism and Advertising.



ANTHONY PALMA (REGIONAL VICE PRESIDENT, PRUDENTIAL ANNUITIES)

Anthony Palma is a regional vice president at Prudential Annuities for the advisor channel covering the Great Lakes territory, encompassing the state of Michigan. He joined Prudential Annuities in 2008 as a regional sales consultant covering Ohio. Prior to that, Anthony worked at Delaware Investments supporting financial professionals and retail clients. Anthony has been a Master Sergeant for 13 years in the U.S. Air Force Reserves, a logistics unit providing rapid global airlift and combat support to all customers of the Department of Defense. He enlisted in the Reserves in 2005 and promoted multiple times from Airman 1st Class to Senior Airman, Staff Sergeant, and

Technical Sergeant. Anthony and his wife Amanda enjoy the outdoors, and spending time with friends and family and their dog Molly.



NAND KOCHHAR (GLOBAL SAFETY SYSTEMS CHIEF ENGINEER, FORD MOTOR)

Nand Kochhar was appointed Global Safety Systems Chief Engineer, Ford Motor Company on March 1, 2013. He is also Executive Technical Leader, Simulation and a member of the Technology Advisory Board. Prior to this, he held the position of Chief Engineer, Materials Engineering & Standards. Since joining the company in 1990 as a Design Engineer, he went on to hold several positions of increasing responsibility including Chief Engineer, Vehicle Engineering, Chief Engineer, CAE & Durability Engineering. Kochhar was also Platform Vehicle Engineering Manager for F-Series

Super Duty Truck. Prior to that he served in Ford of Germany. He was responsible for CAD/CAM/CAE/PLM (C3P) implementation and launch of the award-winning Ford Mondeo as a Chassis Manager in Europe. Nand served as the Chairman of the Society of Automotive Engineers (SAE) Motor Vehicle Council for 2015-16 term. He was elected Vice Chairman of SAE International Technical Standards Board (TSB) in 2017 and will serve as Chairman for the 2018-19 term.



DR. MANOJ K. PRASAD (VICE PRESIDENT / CHIEF MEDICAL INNOVATION OFFICER, FUTURE HEALTECH)

Dr.Prasad is considered a subject matter expert on everything healthcare and has amassed a wealth of knowledge gained over a career spanning twenty eight years in this country, having worked with the entire healthcare continuum including providers, payers, TPAs, regulators, pharma., medical OEMs and more. A primary care physician by training, a healthcare technology innovator by passion and a healthcare business process consultant by profession, he has spent his career leading healthcare organizations around the globe leading them from the brink of disaster to

profitability. He has designed and deployed numerous healthcare technology solutions to address complex challenges including several 'industry firsts'. He has recently designed the only one of its kind methodology that can identify and stop payment of fraudulent claims in response to the \$150 Billion Dollar problem the country now faces and has also designed a unique suite of services to combat cybercriminals!



CHRIS HOLMAN (FOUNDER AND CEO OF MICHIGAN BUSINESS NETWORK)

Chris Holman is the founder and CEO of Michigan Business Network, a business news site and broadcasting company. For over 40 years Chris has used his skills as an entrepreneur to successfully start businesses, launch magazines, run companies, serve on community boards, and host various talk show programs on both radio and internet. He currently is the primary host of Michigan Business Beat and co-hosts This Week in Small Business talk programs on Michigan Business Network. Appointed in 2006 as Michigan's Small Business Advocate by then Gov. Jennifer Granholm, Chris has served as a liaison between the Michigan Economic Development Corporation

and small business owners while working closely with the Michigan Business Ombudsman's offices. Chris is a graduate of Eastern Michigan University, a husband, and father to three children.



JEFFREY S. HANNAH (DIRECTOR, NORTH AMERICA SBD AUTOMOTIVE)

Jeffrey guides the North America office of SBD Automotive and has more than sixteen years' experience in the connected vehicle industry, as well as working with cutting-edge high technology companies from around the globe. SBD (www.sbdautomotive.com) is the world's leading knowledge partner to the global automotive industry, and works with 90% of vehicle manufacturers and their partners helping them choose the right technologies, select the optimal partners, and develop winning market strategies. SBD publishes industry-leading research innovations exclusively in Connected Car, Autonomous Car, and Secure Car technologies. Prior to his role with SBD, he was a leading member of General Motor's Global Connected

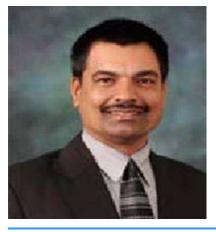
Consumer Experience organization, which included the industry's leading connected car service, OnStar, as well as Infotainment strategic planning. He holds a bachelor's degree from the University of Michigan and MBA from UCLA's Anderson School. He guides a team of leading research analysts based in Ann Arbor, Michigan USA.



RAM KRISHNASWAMI (DIRECTOR, TRANSMISSION & DRIVELINE ENGINEERING POWERTRAIN PRODUCT DEVELOPMENT FORD MOTOR COMPANY)

As Director of TDE, Ram is responsible for all aspects of engineering Automatic Transmissions, Drivelines and NA Manual Transmissions for Ford Motor Company's programs globally. Ram's team is responsible for Component Engineering, Systems Engineering, Program Management and Calibration for all global programs. Ram held various positions in Ford Motor Company's Transmissions & Driveline Division — Design and Release and Systems including Chief Engineer for Systems Engineering. He has also held the position of Chief Engineer for the Global Powertrain NVH group. Ram holds a Bachelor's degree in Mechanical Engineering from Delhi University, a

Masters in Engineering Mechanics from the University of Kentucky and a Masters in System Design and Management from Massachusetts Institute of Technology. He is also a certified 6 Sigma Blackbelt.



JAY MEHTA (SENIOR VICE PRESIDENT, FUTURENET GROUP)

Served as a Corporate Program Director/Manager for the Enterprise IT Services and Support Projects. Successfully supported many large and mission-critical Enterprise IT Support Services for various DoD and Civilian federal government agencies along with local city, county and state government agencies. Extensive knowledge of leading-edge IT initiatives, as well as a fundamental understanding of various leading edge tools and technologies including various advanced Cyber Security technologies including Advanced Threat Management, Security Operation Center(SOC), Microsoft technologies such as Sharepoint, MS Dynamics CRM, Geospatial Enabled and Mobile



Enabled web based technologies. Possesses more than total 21 years of experience in the Enterprise IT Services including advanced Cyber Security technologies for customers in the public and private sector with more than 15 years of experience in Program and Project Management of Enterprise IT Services.



PRATIK SHAH (FINANCIAL ADVISOR, PRUDENTIAL)

Pratik began his career with Prudential in 1991. With 26 years in the financial services industry, he has maintained one single motto, "Client First" Throughout this tenure with Prudential he was recognized by many National and Industry organizations for his excellent advice and top notch service to his clients. He is Qualifying & Life Member of Million-dollar round table organization, consist of top 5% Financial advisor all over the world. Pratik was featured in ADVISOR Today's publication, an article which highlighted his service to a young family and how the untimely death of the husband helped protect the young wife and son.



SRIDHAR LAKSHMANAN (AN EDUCATOR, RESEARCHER, AND FACULTY MEMBER AT THE UNIVERSITY OF MICHIGAN - DEARBORN)

Sridhar Lakshmanan is an Educator, Researcher, and Faculty member at the University of Michigan - Dearborn. He was won many awards for his work at the University. His publication on automotive radars won the 2001 IEEE Best Paper Award from the Vehicular Electronics Society, and widely seen as a pivotal publication that lead to the use of radar for autonomous driving. In 2015, he was interviewed and extensively quoted as an expert in a Time magazine article on Driverless Cars. Sridhar is also and an inventor and entrepreneur. In 2002, two years before the DARPA Grand Challenge

his company M-Vision, Inc. fielded a system to steer a 20-ton driverless U.S. Army Stryker vehicle at highway speeds. This system met Army's Advanced Technology Demonstration performance requirements, and was the featured plenary live video-feed for 25,000 attendees at the 2002 AUSA Annual Meeting — the largest land power exposition and professional development forum in North America. Finally, Sridhar is a mentor. He mentored the City of Detroit's Public Lighting Department during the City's bankruptcy (the largest municipal bankruptcy in U.S. history). His D'Light project plan for the City lead to the biggest one-time overhaul of streetlights in the U.S. Detroit's new street lighting system is seen as the most obvious symbol of this iconic City's renewal, and was featured in a primetime Citicorp network commercial. Sridhar got his Ph.D. in Electrical and Computer Engineering from the University of Massachusetts - Amherst in 1991.

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