

# Manisha Mohan

## Résumé

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### Summary

I'm an engineer, researcher and technology advocate. I am interested in addressing global issues with local solutions.

### Education

- 2015 - 2017 **Massachusetts Institute of Technology**, *MS in Media Arts and Sciences*, USA.  
2016 **ISIPCA**, *Diploma in 'Art of French Perfumery'*, France.  
2011 - 2015 **SRM University**, *B.Tech in Automobile Engineering, Minor- Tribology, Material Science*, India.

### Work Experience

- 2019 – Present **International Flavors and Fragrance**, *Technology Scout*, San Jose, CA, USA.  
Identify, evaluate and generate emerging technology trends and IP. This role involves: (1) working closely with startups, accelerators, incubators, venture capital groups, and academic institutions to cultivate partnerships and exchange opportunities within and outside IFF. (2) organizing pitch events, technology showcases, and platforms for startup scouting and collaboration.
- 2017 – 2019 **International Flavors and Fragrances**, *Research Investigator*, Union Beach, NJ, USA.  
Establish and lead the IFF Scent Symphony Lab, the first HCI lab dedicated to the development of digital scent technologies. Responsibilities included researching, designing, prototyping, and studying sensory interfaces for future commercial products.
- 2015 – 2017 **Media Lab, Massachusetts Institute of Technology**, *Research Assistant*, Cambridge, USA.  
Developed wearable computing and **digital scent** technologies. Designed (1) **on-skin interfaces**, (2) **wearable sensors**, **second-skin** and **VR technologies** to address sexual assault and abuse (3) **Sustainable materials** for fast fashion industry .
- 2015 – 2015 **Production Technology Center**, *Research Fellow*, Trollhättan, Sweden.  
Developed models of suspension plasma spray to visualize the stress band formation at the thermally grown oxide (TGO) layer. The Thermal Barrier Coating (TBC) models visualize the length of the crack, it's location, inter-spatial distance, thickness of the TGO, and crack propagation in engine cylinder linings. The models detect weak points in TBC's and prevent tribological failures.
- 2014 – 2014 **Indian Institute of Sciences**, *Research Intern*, Bangalore, India.  
Performed experiments to study the influence of surface texture on the coefficient of friction on 316L Stainless Steel. The project was used to analyze the mechanical loading and unloading process on ball bearings.

### Selected Projects

- 2019 **Le Musk**, *Sensory Design Consultant*.  
Le Musk is an upcoming Indian virtual reality film directed by A. R. Rahman. I helped design the multisensory experiences.

- 2017 **Light Weaver**, Al Azraq Refugee Camp, Jordan.  
The Lightweaver is a kinetic lighting sculpture that is also an educational and preservationist device, a cultural prosthetic for hope, and a visual critique of humanitarian design. The project was prototyped at MIT and developed as a co-creation with camp residents.
- 2016 **Natura Eco Hackathon**, *Mentor*, Belém, Brazil.  
Helped organize and mentor 25 teams in a Hackathon sponsored by Natura, focusing on Sustainable products and Amazonian culture.
- 2016 –2017 **MIT Emerging Worlds**, *Mentor*, India.  
Engaged students and participants in design thinking and tinkering workshops.

## Selected Publications

- 2017 **Technological Interventions To Detect, Communicate and Deter Sexual Assault**, *ISWC*.  
Manisha Mohan, Misha Sra, Chris Schmandt
- 2016 **ChromoSkin: Towards Interactive Cosmetics using Thermochromic Pigments**, *CHI Interactivity*.  
Hsin-Liu (Cindy) Kao, Manisha Mohan, Chris Schmandt, Joseph A. Paradiso, Katia Vega
- 2014 **Influence of surface texture on coefficient of friction for SS316L ball and flat specimen**, *Asia Tribology*.  
Manisha Mohan, Swamy V., Satish Vasu Kailash
- 2013 **Protective Device, For a lingerie to protect women against assault and sexual harassment**, *Patent*.  
Manisha Mohan

## Selected Talks and Press Coverage

- 2019 **Tech Solutions for the problem of Sexual Harassment**, *Speaker*, [TED](#).
- 2018 **How Technology Can Empower Silent MeToo**, *Speaker*, [TEDx Gateway](#).
- 2017 **Experiencing sexual harassment and living in fear? Tech help?**, *Speaker*, [TEDx Beacon Street](#).
- 2017 **Fashioning a cultural shift through digital innovation by empowering SMEs, women entrepreneurs and artisans to move from ‘lowest price’ to ‘highest value**, *Panelist*, [UN- World Trade Organization, Switzerland](#).
- 2017 **Women shout back to ‘eve-teasing’**, *Panelist*, [The Stream-Al Jazeera](#).

## Selected Awards

- 2018 **Women’s Excellence Achievements Award**, *National Award*, India.
- 2017 **FashionNXT Fashion Tech Competition**, *Winner*, USA.
- 2017 **NCWIT Collegiate Award**, *National Award*, USA.
- 2016 **Bill Mitchell Design Award**, *Winner-MIT*, USA.
- 2015 **Commendation for Social Engineering**, *State Recognition*, India.
- 2014 **Innovation Scholars In-Residence program at President’s House**, *Presidential Fellow*, India.
- 2014 **Rajeev Circle Fellowship**, *Fellow*, USA.
- 2013 **SAE NASA Tech Brief**, *Leadership Award*, USA.