

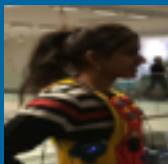


38th Annual International Conference of the *IEEE Engineering in Medicine and Biology Society*

Engineering in Medicine & Biology Society Personal Health Design Challenge @ EMBC 2016 *Bridging Disciplines to Transform Human Health* **EARTH – SEA – AIR – SPACE**

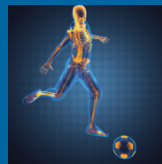
Chair: Bruce Hecht, Analog Devices Co-Chair: Ayesha Khalid, MD, Harvard/MIT Health

Student R&D Demo Workshop



**Apply to present
& demo your
work based on
course, research,
& co-op projects**

Industry Technology Showcase



**Discover
transformative
and enabling
technology
Innovations
& tools**

International Student Competition Hall of Dragons

**Connect with
Leaders to
Pitch your
ideas
and build on
results**



Friday Aug 19 – Saturday Aug 20, 2016
Disney Contemporary Resort, Orlando, FL



EMBC Personal Health Design Challenge Program

Friday Evening – Design Challenge Convene & Demo

Design Challenge Plenary
4:30pm-6:00pm
Demos @ Reception
7:00pm-9:00pm

Plenary Session in Theatre- Convene on Personal Health Design Challenge
Students bring hardware, systems, and/or videos that give demonstrations of real projects responsive to the themes of EMBC16
Demos @ Student & Leaders Reception (combined with EMBC Reception)

Saturday - Industry Tech Showcase

Tech Showcase
8:00am-9:30am

Industry Showcase featuring Breakthrough Science & Engineering and working collaboratively across boundaries
Living Heart Project , Human Mission to Mars , IEEE Brain Initiative

Saturday – Workshops – Parallel Sessions

Design Challenge
Workshops
10:00am-12:00pm

Design Labs
Hardware
Design Tools
Simulation
3D VR / AR

Hall of Dragons
Design Challenges

Workshops
Leadership & Startup
Ethics
Design Greenhouse

Saturday – World Café – Design Gallery

World Cafe
Design Gallery
12:00pm-1:30pm

World Café Format to present ideas from Design Challenge, Hall of Dragons, Labs: tables themed by challenge with drawing materials
Lunch and coffee





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JOIN The Engineering in Medicine & Biology Society Personal Health Design Challenge @ EMBC 2016

- **CONNECT** the next generation of innovators with today's greatest minds in biomedical engineering
- **DEMO** or collaborate on Personal Health Challenge projects
- **LEARN** about user-centered design from renowned experts to address your Challenge
- **LAUNCH** or join your own Challenge team of collaborators and mentors



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Friday August 19, 2016

Student Demos of R&D Projects



Guy Satat, Anshuman Das and Krithika Ramchander of MIT demo to monitor pediatric asthma / respiration



Kuldeep Singh Rajput of NUS demo of project using 3D printed glasses to measure the retina of patients



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	ROLES	RESOURCES
CHALLENGE SPONSOR	DEFINE CHALLENGES SET DIRECTION PRESENT KEYNOTE	PROVIDE CHALLENGE SPONSORSHIP & PRIZES
MENTOR	MENTOR TEAMS ACCESS TO NETWORKS	TIME TO MENTOR COMMUNICATIONS AND SPACE
JUDGE	JUDGE ENTRIES QUESTIONS TO PROMPT ADVANCEMENT	TIME TO JUDGE AND PARTICIPATE AT EVENT

Disney Contemporary Resort



Register, Attend in Person, and Connect Beforehand

How to Participate

Register online in May. There will be additional resources like Challenge criteria, event logistics and collaboration space for your projects posted on the site.

When & Where

The Disney Contemporary Resort
Orlando, FL, USA, August 19-20, 2016

Why

The IEEE Engineering in Medicine & Biology Society (EMBS) is the leading source for publications and conferences for biomedical engineering and the life sciences. The annual technical meeting, Engineering in Medicine & Biology Conference (EMBC) draws over 3000 of the world's top researchers from University, Research Hospitals, and Industry for a week-long technical conference showcasing the latest advances in the field.



IEEE EMBC

Orlando, FL, USA, August 19-20, 2016

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