

**Sunday, March 4, 2018  
Workshops**

	BHI: Bahamas Room	BHI: Treasure Island D	BSN: Treasure Island E	BSN: Treasure Island F
Registration Open: 8:00am - 16:00 - Treasure Island Foyer				
8:30-10:00	WS 1.1a: The Women's Role in a Strategic Health and Social Care Approach: Facing the Future <b>Moderators:</b> M.T. Arredondo, H.B. Jimison	TT 2.1: Agile Clinical Decision Support Development and Implementation <b>Moderators:</b> V.Kannan, D. Willett, M. Basit	WS 3.1a: Automatic Dietary Monitoring 2018: The Grand Challenge from Lab to Real-life Systems <b>Moderators:</b> O. Amft, S. Kleinberg, B. Lo, E. Thomas	WS 4.1a: The First International Workshop on Challenges and Opportunities in the Next Generation Body Sensors & Systems, Analytics, Applications, and Interventions <b>Moderators:</b> S.I. Lee, S. Ghiasi
10:00-10:30	Coffee Break on own			
10:30-12:00	WS 1.1b: The Women's Role in a Strategic Health and Social Care Approach: Facing the Future <b>Moderators:</b> M.T. Arredondo, H.B. Jimison	TT 2.2: Computational Modelling in Bioengineering and Bioinformatics <b>Moderator:</b> N. Filipovic	WS 3.2b: Automatic Dietary Monitoring 2018: The Grand Challenge from Lab to Real-life Systems <b>Moderators:</b> O. Amft, S. Kleinberg, B. Lo, E. Thomas	WS 4.1b: The First International Workshop on Challenges and Opportunities in the Next Generation Body Sensors & Systems, Analytics, Applications, and Interventions <b>Moderators:</b> S.I. Lee, S. Ghiasi
12:00-13:30	Lunch on own			
13:30-15:00	WS 1.2a: Medical Data Sharing and Harmonization <b>Moderators:</b> T. Exarchos, D. I. Fotiadis	TT 2.3: IEEE11073 Personal Health Device Standards <b>Moderators:</b> M. Clarke, B. Ash	WS 3.3a: 5th Intl. Symposium on Automated Sensor Based Mobility Analysis for Disease Prevention and Treatment <b>Moderators:</b> B. Caulfield, B. Eskofier, B. Greene, J. Klucken	WS 4.2a: Wearable and Mobile Computing for Construction and the Built Environment <b>Moderators:</b> A. Behzadan, R. Ahn, E. Du, Y. Ham
15:00-15:30	Coffee Break on own			
15:30-17:00	WS 1.2b: Medical Data Sharing and Harmonization <b>Moderators:</b> T. Exarchos, D. I. Fotiadis	TT 2.4: Process Mining in Healthcare using PALIA Suite 9 <b>Moderators:</b> C. Fernandez-Llatas, F. Seoane	WS 3.3b: 5th Intl. Symposium on Automated Sensor Based Mobility Analysis for Disease Prevention and Treatment <b>Moderators:</b> B. Caulfield, B. Eskofier, B. Greene, J. Klucken	WS 4.2b: Wearable and Mobile Computing for Construction and the Built Environment <b>Moderators:</b> A. Behzadan, R. Ahn, E. Du, Y. Ham

**Monday, March 5, 2018  
Schedule**

		Location
7:30-20:00	Registration	Treasure Island Foyer
8:30-8:45	<b>Opening Welcome</b> Dimitrios I. Fotiadis - BHI OC Chair, University of Ioannina Roozbeh Jafari - BSN OC Chair, Texas A&M University	Treasure Island ABC
8:45-9:30	<b>Keynote Speaker:</b> Guang-Zhong Yang (Imperial College, BHI-BSN SC Chair) "The Body You Know" <b>Chair:</b> D.I Fotiadis	Treasure Island ABC

9:35-11:05	<b>BHI Session # 1:</b> Intelligent Sensing Informatics <b>Chairs:</b> Y. Ozturk, G. Tourassi	<b>BHI Special Session # 1:</b> Building the Biggest Challenge in Digital Mammography <b>Chairs:</b> R. Ari, G. Stolorovitzky	<b>BSN Session # 1:</b> Sensing for Rehabilitation <b>Chairs:</b> L. Brattain, Z. McKinney	<b>Google-Sponsored</b> Biomedical Big Data Challenge MIT MIMIC-III Jump Star Workshop <b>Moderators:</b> T. Pollard J. Raffa, J. Po, M.D. Wang MIT Critical Data	Treasure Isl ABC / Treasure Isl E / Antilles CD/Treasure Isl F
11:05-11:20	Coffee Break				Treasure Isl and Antilles Foyers
11:00-17:00	Exhibits Open				Treasure Island Foyer
11:20-12:50	<b>BHI Session # 2:</b> Intelligent Sensing and Imaging Informatics <b>Chair:</b> C. Pattichis	<b>BHI Special Session # 2:</b> Intelligent Wellness Sensing <b>Chairs:</b> W. Chen, H. Chayvat	<b>BSN Session # 2:</b> Gait, Motion and Activity Monitoring <b>Chairs:</b> M.C. Huang, J. Gong	<b>Google-Sponsored</b> Biomedical Big Data Challenge MIT MIMIC-III Jump Star Workshop <b>Moderators:</b> T. Pollard J. Raffa, J. Po, M.D. Wang MIT Critical Data	Treasure Isl ABC / Treasure Isl E / Antilles CD/Treasure Isl F
12:50-14:20	Lunch <b>Meeting With Funding Agencies</b> Dr. Wendy Nilsen (NSF), Dr. Dan Gallanhan (NIH/NCI), Dr. Jean Yuan (NIH/SRO) <b>Moderator:</b> S.Wong				Treasure Island ABC
14:20-15:50	<b>Keynote Speakers:</b> Sylvia Plevritis (Stanford Univ.): "Data for Precision Medicine in Cancer: Big and Deep" <b>Chair:</b> M.D. Wang Majid Sarrafzadeh (UCLA): "A Scalable mHealth Infrastructure" <b>Chair:</b> R. Jafari				Treasure Island ABC
15:50-16:10	Coffee Break				Treasure Island Foyer
16:10-18:15	<b>Rapid Fire Session # 1</b> <b>Chairs:</b> D. Clifton, N. Alshurafa				Treasure Island ABC
18:15-20:15	<b>Poster Session # 1</b> <b>and BSN Innovative Health Technology Demonstrations</b>				Caribbean ABC
20:30-22:30	Welcome Reception				Antilles AB

Tuesday, March 6, 2018					Location
8:00- 7:00pm	Registration				Treasure Island Foyer
	Exhibits Open				Treasure Island Foyer
8:00-9:30	<b>Keynote Speakers:</b> Adam Seiver (Philips): "Physiological Life Support—New Tools for Teamwork" <b>Chair:</b> L. Atallah John Glaser (Cerner): "The Next Generation of Healthcare Information" <b>Chair:</b> S. Wong				Treasure Island ABC
9:35-11:05	<b>BHI-BSN Feasted Session:</b> <b>"What's Wrong with the EHR and How to Fix It"</b> Mark Braunstein (Georgia Inst. of Technology), James J. Cimino (University of Alabama), Dean F. Sittig, (University of Texas), W. Ed Hammond (Duke University) <b>Moderator:</b> M. Braunstein			<b>NSF-Sponsored</b> NSF-NIH Smart and Connected Health Aspiring PI Workshop <b>Moderators:</b> Wendy. Nilsen, David Stout	Treasure Island ABC/Treasure Isl F

11:10-12:40	<b>BHI Session # 3:</b> Bioinformatics for Health Monitoring <b>Chairs:</b> Y. Huang, J. Liang	<b>BHI Special Session # 3:</b> Integrating Informatics and Technology for Precision Medicine <b>Chairs:</b> C. Pattichis, C. Pitris	<b>BSN Session # 3:</b> Physiological Monitoring Using BSN <b>Chairs:</b> B. Caulfield, T. Prioleau	<b>NSF-Sponsored</b> Travel Awardee Workshop <b>Moderators:</b> B. Mortazavi, R. Jafari	Treasure Isl ABC / Treasure Isl E / Antilles CD/Treasure Isl F
12:40-14:10	Lunch <b>Industry Showcase</b> <b>Finalists:</b> CSEM, Kinesis, PD Neurotech, PhysiQ, Wellpepper <b>Moderators:</b> J. Penders, S. Zarar, L. Atallah				Treasure Island ABC
14:15-15:45	<b>BHI Session # 4:</b> Deep Learning and Decision Support Systems <b>Chairs:</b> G. Tourassi, R. Janssen	<b>BHI Special Session # 4:</b> Digital Phenotyping: Towards Data-driven Behavior Change <b>Chairs:</b> E. Smets, C. Van Hoof	<b>BSN Session # 4:</b> Wellness and Sports Applications <b>Chairs:</b> O. Amft, M.K. Yapici	<b>MIMIC-III Data Competition</b> Office Hours	Treasure Isl ABC / Treasure Isl E / Antilles CD/Treasure Isl F
15:45-16:05	Coffee Break				Treasure Island and Antilles Foyers
16:05-17:35	<b>Keynote Speakers:</b> Chris Van Hoof (imec) "Hyperpersonalized Sensing and Analytics: Contributions to a Future World Without Chronic Disease" <b>Chair:</b> J. Penders Desney Tan (Microsoft): Observations from a Technologist on the Frontlines of Healthcare <b>Chair:</b> S. Zara				Treasure Island ABC
17:40-19:30	<b>Rapid Fire Session # 2</b> <b>Chairs:</b> M. Pavel, Y. Sun				Treasure Island ABC
19:30-20:30	<b>Poster Session # 2</b> <b>and BSN Innovative Health Technology Demonstrations</b>				Caribbean ABC
20:30-21:30	BSN OC Meeting (closed mtg)		BHI OC Meeting (closed mtg)		Treasure Isl F (for BHI) / Antilles D (for BSN)

Wednesday, March 7, 2018					Location
8:00-16:00	Registration				Treasure Island Foyer
8:00-13:00	Exhibits Open				Treasure Island Foyer
8:00-8:45	<b>Keynote Speakers:</b> Rick A. Cossen (Intel) with Bryce Olson (Intel): "Transformative Power of Precision Medicine - Moving from Data to Diagnosis" <b>Chair:</b> E. Sloane				Treasure Island ABC
8:50-10:20	<b>BHI Session # 5:</b> Personalized Health Systems & Public Health Informatics <b>Chairs:</b> G. Tourassi, C. Pattichis	<b>BHI Special Session # 5:</b> The Development of Technologies for Modern Medicine: Overcoming Barriers and Pragmatic Implementation <b>Chairs:</b> A. Godfrey, J. Amor	<b>BSN Session # 5:</b> Machine Learning and Signal Processing for BSN <b>Chairs:</b> S. Chen, I. Lee	<b>Google-Sponsored</b> Biomedical Big Data Challenge MIT MIMIC-III Final Reporting Workshop <b>Moderators:</b> T. Pollard J. Raffa, J. Po, M.D. Wang MIT Critical Data	Treasure Isl ABC / Treasure Isl E / Antilles CD/Treasure Isl F
10:20-10:35	Coffee Break				Treasure Island and Antilles Foyers

10:35-11:35	<p align="center"><b>Industry Panel:</b> The Role of AI in Connected Health Rami Ben Ari (IBM), Valeria De Luca (Novartis), Bill Lotter (IDeep Health), John Mattison (Kaiser Permanente) <b>Moderator:</b> C. Van Hoof</p>			<p align="center"><b>Google-Sponsored</b> Biomedical Big Data Challenge MIT MIMIC-III Final Reporting Workshop <b>Moderators:</b> T. Pollard J. Raffa, J. Po, M.D. Wang MIT Critical Data</p>	Treasure Island ABC/Treasure Isl F
11:35-12:25	Lunch on own				
12:30-14:00	<p align="center"><b>BHI Session # 6:</b> Behavioral Informatics &amp; Health Factors Engineering <b>Chairs:</b> E. Pattichis, E. Boulton</p>	<p align="center"><b>BHI Special Session # 6:</b> Biomedical Informatics across the Cancer Continuum <b>Chairs:</b> M. Tsiknakis, A. Bucur, N. Graf</p>	<p align="center"><b>BSN Session # 6:</b> Cardiovascular Monitoring Using BSN <b>Chair:</b> B. Lo, D. Woodbridge</p>	<p align="center"><b>Google-Sponsored</b> Biomedical Big Data Challenge Judge Meeting Vote for Best Award (Closed Meeting)</p>	Treasure Isl ABC / Treasure Isl E / Antilles CD/Treasure Isl F
14:00-15:30	<p align="center"><b>BHI Special Session # 7:</b> Disruptive Use Cases Empowered by IoT and Collaborative Technologies <b>Chair:</b> F. Behmann</p>	<p align="center"><b>BHI Special Session # 8:</b> Computer Modelling of Cardiovascular Disease <b>Chair:</b> N. Filipovic</p>	<p align="center"><b>BSN Session # 7:</b> Innovations in Sensing <b>Chairs:</b> L. Atallah, A. Vehkaoja</p>	<p align="center">Best Poster Selection Committee (Closed Meeting)</p>	Treasure Isl ABC / Treasure Isl E / Antilles CD/Treasure Isl F
15:30-17:00	<p align="center"><b>BHI Session # 7:</b> Wearable Systems &amp; Mobile Health <b>Chairs:</b> J. Zhanpeng, J Liang</p>	<p align="center"><b>BHI Special Session # 9:</b> Machine Learning for Clinical Informatics <b>Chairs:</b> D.Clifton, T. Zhu</p>	<p align="center"><b>BSN Session # 8:</b> Energy Efficient Design and Sensing <b>Chairs:</b> T. Chaspari, D. Woodbridge</p>	<p align="center">Best Paper Selection Committee (Closed Meeting)</p>	Treasure Isl ABC / Treasure Isl E / Antilles CD/Treasure Isl F
17:30-18:30	<p align="center"><b>Closing Ceremony, Best Paper, Best Poster, Data Challenge Winner Awards</b> Dimitrios I. Fotiadis - BHI OC Chair, University of Ioannina Roozbeh Jafari - BSN OC Chair, Texas A&amp;M University Andrew Laine - Columbia University</p>				Treasure Island ABC