Outline

1. Current Membership & Keywords
2. Portfolio of Focus Initiatives
3. Website & Members @ Large (MAL) & Mailing lists
4. New initiatives / Strategic Planning
Opportunities and Challenges

- Imaging Data
- Omics Data
- Clinical, mHealth, sensor Data

Transforming Health Care with AI and Big Data Analytics

- Disease Understanding
- Precision, Predictive and Preventive Medicine
- Drug Discovery and Development
Current Membership & Keywords

- **Number of Members = (31 in past year)**
  - Full: 17
  - Associate (first year): 14
  - Affiliate (emeritus): 3
- **By categories:**
  - Men (20) versus women (11)
  - Academia (27) versus industry and government (3) versus medicine (1)
  - North & South America region (22) versus Europe (7) versus Asia (2)

- **Connections with:**
  - Other IEEE Societies:
    - IEEE Communication Society
  - Other societies:
    - America Medical Informatics Association
    - HIMSS, The Obesity Society, ACM

- **[ADCOM/EXCOM]: Current members:**
  - May D Wang, VP Finance
  - Konstantina Nikita, AdCom Member

- **[TA]:**
  - Current EMBS Distinguished Lecturers:
    - Georgia Tourassi, Oak Ridge National Lab, USA
  - EMBS Award Recipient this year:

- **[PUBS]: roles in EMBS (owned or co-sponsored) journals:**
  - Dimitris Fotiadis, JBHI EiC, May D Wang, JBHI Senior Editor, Jessilyn Dunn, Managing Editor
  - JBHI Associate Editors: Wei Chen, Yufei Huang, Omer Inan, Jie Liang, Benny Lo, Konstantina S. Nikita, Constantinos Pattichis, Julien Penders, Edward Sazonov,
  - Yuanting Zhang, RBME EiC
  - RBME AEs: Andrew Laine, May D Wang

- **[CONF]:**
  - BHI2019. See later slides
EMBS BHI Technical Focuses

**Fundamental Theoretic Informatics:**
- Advanced Big Data Analytics, AI, and Modeling Methodologies

**Sensor Informatics:**
- Wearable and Implantable Sensors Data Analytics for Personalized Smart and Connected Health

**Bioinformatics:**
- Low Cost Highly Reproducible and Reliable Biomarkers for Precision Medicine

**Imaging Informatics:**
- Real-Time Imaging and Integration for Improved Evidence-Based Health Care

**Clinical Informatics:**
- Multi-Modality and Multi-Scale Data Analytics for Improved Decision Support!

**Public Health Informatics:**
- Population-Based Integration of All Above and Social Media for Behavioral Change
BHI-TC Members (2019)

- Andrew Laine, Columbia U, USA
- May D Wang, Georgia Tech and Emory U, USA
- Metin Akay, U of Houston, USA
- Jie Liang, U of Illinois at Chicago, USA
- Dimitrios I. Fotiadis, U of Ioannina, Greece
- Steve Wong, Cornell U, Methodist Research Institute, USA
- Paolo Bonato, Harvard U, USA
- Carolyn McGregor, Ontario Inst. Of Tech, Canada
- Konstantina Nikita, National Tech U of Athens, Greece
- Bahram Parvin, U of Navada, USA
- Constantinos Pattichis, U of Cyprus, Cyprus
- Misha Pavel, Northeastern U, USA
- Yufei Huang, U of Texas, San Antonio, USA
- Julien Penders, Bloom-life, USA
- Elliot Sloane, Villanova U, USA
- Guangzhong Yang, Imperial College, UK
- Yuan-Ting Zhang*, City U. of Hong Kong, HK
- Thomas Penzel, Berlin, Germany
- Georgia Tourassi, Oak Ridge National Laboratory, USA
- David Clifton, U. of Oxford, UK
- Wei Chen, Fudan U, China
- Parisa Rashidi, U of Florida, USA
- Edward Sazonov, U of Alabama, USA
- Adam Hoover, Clemson U, USA
- Esteban Pino, U de Concepcion, Chile
- Omer Inan, Georgia Tech, USA
- Maria Teresa Arrendondo, U Politécnica Madrid, Spain
- Holly Jimison, Northeastern U, USA
- Amy Wang, U of Alabama, USA
- Maria Fernanda Cabrera (Chiqui), U Politécnica Madrid, Spain
- Subhamoy Mandal, DKFZ, Germany
- Ahmed Metwally, Stanford U, USA
- Jessilyn Dunn, Duke U, USA
- Elebeoba E May, U of Houston, NSF, USA
BHI-TC Keywords

Current High-Level TC Keywords Used for Both JBHI (Journal of Biomedical and Health Informatics), and BHI (International Conference on Biomedical and Health Informatics)

- Bioinformatics; Imaging Informatics; Biomedical Signal Processing Informatics; Sensor Informatics; Behavioral Informatics; Big Data Analytics and Machine Learning; Clinical Informatics; Public Health Informatics; Precision Medicine Informatics; Disease Oriented Informatics.

- General and Theoretical Informatics Terms
  - Algorithms
  - Artificial Intelligence
  - Big Data analytics
  - Causality analysis and case-based reasoning
  - Computational molecular profiling
  - Computational genotyping
  - Computational disease profiling
  - Computational phenotyping
- Data mining
  - Data intelligence
  - Data quality control
  - Data privacy
  - Data standard
  - Data storage
  - Decision support systems
- Deep learning Big data to knowledge
  - Graph-theoretical applications
  - Knowledge modeling
- Machine learning
  - Natural Language Processing
  - Pattern recognition
  - Predictive analytics
  - Security and authentication
  - Social media
  - Statistical data analysis
  - Supervised learning method
  - Unsupervised learning method
  - Ontology

- 2. Health Informatics
  - Behavioral health informatics
  - Clinical information systems
  - Cloud computing for healthcare
  - Computer games for healthcare
  - Computer-aided decision making
  - Coordinated care informatics
  - Decision support methods and systems
  - Disease profiling and personalized treatment
  - E-communities, social networks and social media
  - eHealth
  - Electronic health records
  - Personal health records
  - Emerging IT for efficient/low-cost healthcare delivery
  - Evaluation of health information systems
  - Health data acquisition, transmission, management and visualization
  - Health information system interoperability
  - Health information systems
  - Health information systems and convergence of health
  - Healthcare communication networks
- Healthcare modeling and simulation
  - High-performance computing for healthcare
  - Human factors (ergonomics) in health information systems
  - Informatics for chronic disease management
  - Information technologies for healthcare delivery and management
  - Information technologies for the management of patient safety and clinical outcomes
  - IOT – internet of things
  - Knowledge discovery and management

- 2. Health Informatics
  - Low cost health delivery, public and environmental health, epidemiology
  - Mobile and wearable technologies for elderly
  - Mobile health
  - Outcome research
  - Patient tracking
  - Personal health systems
  - Personal/consumer health informatics
  - Personalized health/precision medicine
  - Preventive health
  - Pervasive health
  - Participatory health
  - Quality of service, trust, security
  - Readmission profiling
  - Technology and services for assisted-living and elderly
  - Technology and services for home care
  - Telehealth
  - Telemedicine
  - Virtual reality in medicine
BHI-TC Keywords

- Bioinformatics
- Bioinformatics for health monitoring
- Bioinformatics databases
- Cancer genomics, Neuro genomics, Cardio genomics
- Cloud-based -omic data analysis & storage
- Computational and statistical analysis of metagenomics
- Computational modeling and simulations in biology, physiology and medicine
- Computational systems biology
- Dynamic modeling of biomolecular regulatory and signaling networks
- Environmental genomics and toxicogenomics
- Epigenetics and DNA methylation analysis
- Functions of microRNA and non-coding RNAs
- Gene expression pattern recognition
- Genomics and protein array image analysis
- Gene regulation, annotation of genes
- Genomics text data processing GWAS data analysis
- High throughput –omic data visualization
- High throughput -omics data quality control
- High throughput –omic (genomics, proteomics, metabolomics, lipidomics, and metagenomics) data analytics for precision health
- Integration of multi-modality omic data
- Model building for molecular, cellular and organ pathways and networks
- Next generation sequencing data compression
- Pharmaco-genomics
- Platforms/solutions for precision medicine
- Structural and comparative genomics
- Sequencing alignment, assembly, and analysis
- Synthetic control systems in biomedical applications
- Translational bioinformatics

- Sensor Informatics
- Behavioral informatics
- Body sensor networks
- Context awareness
- Data inference, mining, and trend analysis
- Implantable technologies and systems
- Intelligent medical devices and sensors
- Low power, wireless sensing methods and systems
- Multi-sensor data fusion
- Physiological monitoring
- Portable miniaturized systems
- Sensor-based mHealth applications
- Sensors and sensor systems
- Smart home technology
- Smart textile and clothes
- Wearable systems and sensors
- Wireless sensors and systems

- Public Health Informatics
- Epidemiological modeling
- Epidemiology
- Health Economics
- Health risk evaluation and modeling
- Infectious disease outbreak modeling
- Outcomes research
- Public health management solutions
- Non-medical data analytics in public health

- Imaging Informatics
- 3D visualization
- Augmented reality
- Biomedical imaging marker extraction
- Content-based image retrieval
- Computational pathology
- DICOM and other standards
- Genomic image informatics
- High throughput image analysis and visualization
- Histopathological imaging informatics
- Hyperspectral imaging analysis and informatics
- Image analysis, processing and classification
- Image databases
- Image registration, segmentation, and compression
- Image rendering, reconstruction and enhancement
- Image-enabled electronic medical records
- Imaging modalities
- Microscopic imaging informatics
- Molecular imaging analytics
- Metabolomic imaging informatics
- Mass spectrometry imaging informatics
- Medical image databases
- Medical image processing and visualization
- PACS (Picture Archiving and Communication Systems)
- Proteomic image informatics
- Radiomics
- Tele-imaging
- Teleradiology

Validation Status:
- Voted by Related Conf. or Pub. TC members for both EMBC, BHI, and JBHI? YES
- Shared with a EMBS journal? YES, approved by Journal of Biomedical and Health Informatics
Portfolio of Focus Initiatives
Overview of Full Portfolio

– [CONF]: Special topic conference(s):
  – 2019 International Conference on Biomedical and Health Informatics (May 19-22, 2019)

– [CONF]: 2019 EMBS annual Conference (EMBC):
  – Theme 10 – Biomedical and Health Informatics

– [Workshop] Summer School (June 2019)
  – Bogota, Colombia, Presenters, Andrew Laine, Columbia U, USA

- TC Workshop in EMBC2019 (Berlin, Germany)
  - PRESENTER’S NAME: Andrew Laine, Columbia U, USA May Wang, Georgia Tech, USA

- Special Session(s) in EMBC2019: To be collected

- OTHER EVENTS (Lunch with leaders in BHI):
  May D Wang, Andrew Laine

- Networking with leaders in BHI2019: See Flyer
Portfolio of Focus Initiatives (Chicago, May 2019)

Past Event - organized in the covered period - (Special Topic Conference, Summer School)

BHI 2019 - 75+% of 482 Participants from BHI-BSN2019

Conference Co-Chairs
- Jie Liang, Univ of Illinois at Chicago, USA
- Dimitrios I. Fotiadis, JBHI EiC, Univ of Ioannina, Greece

Technical Program Co-Chairs
- David Clifton, Univ of Oxford, UK
- Constantinos S. Pattichis, Univ of Cyprus, Cyprus
- Georgia Tourassi, Oak Ridge National Laboratory, USA

Special Session Co-Chairs
- Wei Chen, Fudan Univ, China
- Edward Sazonov, Univ of Alabama, USA

Workshop Co-Chairs
- Adam Hoover, Clemson Univ, USA
- Esteban Pino, Univ de Concepcion, Chile

Rapid Fire Co-Chairs
- Misha Pavel, Northeastern Univ, USA
- Omer Inan, Georgia Tech, USA

# Associate Editors / Instructors from the TC: 90%
# Reviewers (at large) from the TC: 85%

Financial Chair
- Yufei Huang, Univ of Texas at San Antonio, USA

Women’s Activities Co-Chairs
- Maria Teresa Arrendondo, Univ Politécnica Madrid, Spain
- Holly Jimison, Northeastern Univ, USA
- Amy Wang, Univ of Alabama, USA

Industrial Liaison
- Julien Penders, Bloomlife, USA

Steering Committee
- Guang-Zhong Yang, Chair, Imperial College London, UK
- May D. Wang, EMBS VP, Georgia Tech and Emory Univ, USA
- Stephen Wong, External Partnership, Houston Methodist, USA
- Andrew Laine, BHI-TC Chair, Columbia Univ, USA
- Benny Lo, BSN-TC Chair, Imperial College London, UK

Student’s Activities Co-Chairs
- Subhamoy Mandal, DKFZ, Germany
- Ahmed Metwally, Stanford Univ, USA
Portfolio of Focus Initiatives (STC, Chicago, May 2019)

Past Event - organized in the covered period - (Special Topic Conference, Summer School)

BHI 2019 Technical Program Committee

Haider Abbas, National Univ of Sciences and Technology, Pakistan
Nabil Alshurafa, Northwestern University, USA
Amir Amini, University of Louisville, USA
Andrew Boyd, University of Illinois at Chicago, USA
Francesca Buffa, University of Oxford, UK
Maria Fernanda Cabrera, Tech University of Madrid, Spain
Paulo de Carvalho, University of Coimbra, Portugal
Maggie Cheng, Illinois Institute of Technology, USA
Yang Dai, University of Illinois at Chicago, USA
Jessilyn Dunn, Stanford University, USA
Bjoern Michael Eskofier, FAU, Germany
Themis Exarchos, Unit of Med Tech & Intel Inf Syst, Greece
Guoliang Fan, Oklahoma State University, USA
Hassan Ghasemzadeh, Washington State Univ, USA
Daniela Giordano, University of Catania, Italy
Jackey Jiaqi Gong, University of Maryland, Baltimore County, USA
Ming - Chun Huang, Case Western Reserve University, USA
Omer T. Inan, Georgia Tech, USA
Walter Karlen, ETH Zurich, Switzerland
Shen Li, University of Pennsylvania, USA

Yuan Luo, Northwestern University, USA
Hammad Naveed, National Univ of Computer & Emerging Sciences, Pakistan
Ranadip Pal, Texas Tech University, USA
Andreas Panayides, University of Cyprus, Cyprus
Misha Pavel, Northeastern University, USA
Yang Shen, Texas A&M University, USA
Ye Sun, Michigan Technology University, USA
Toshiyo Tamura, Waseda University, Japan
Jie Tian, Institute of Automation, Chinese Academy of Science, China
Thanasis Tsanas, University of Edinburgh, UK
Vincent S. Tseng, National Cheng Kung University, Taiwan
Maarten de Vos, University of Oxford, UK
Amy Y. Wang, University of Alabama at Birmingham, USA
David Wong, University of Leeds, UK
Winston Wu, Pharmaco-Kinesis Corporation, USA
Wenyao Xu, University at Buffalo, USA
Hui Yang, Pennsylvania State University, USA
Jinfeng Zhang, Florida State University, USA
Yefeng Zheng, Siemens Corporate Research, USA
Tingting Zhu, University of Oxford, UK
Reyer Zwiggelaar, Aberystwyth University, UK
BHI-BSN 2019 Organization by Volunteer OC and Conference Catalysts

1) Theme Matters ➔ Branding
2) Quality Matters ➔ Reputation
3) Team Matters ➔ Community Building

BHI2019:
- 34% Acceptance Rate
- 11% Oral Selection Rate

BSN2019:
- 41% Acceptance Rate
- 24% Oral Selection Rate

Co-Chairs:
- Jie Liang, U of Illinois at Chicago
- Dimitris Fotiadis, U of Ioannina
- Carmen Poon, Chinese U of Hong Kong
- John A Rogers, Northwestern U

TPC Chairs:
- Constas S Pattichis, U of Cyprus
- Georgia Tourassi, ORNL
- David Clifton, Oxford U
- Benny Lo, Imperial College
- Canan Dagdeviren, MIT Media Lab
- Woon-Hong Yeo, Georgia Tech

BSN2019 Committee:
- BHI2019 TPC Co-Chair, JBHI EiC
- BSN2019 TPC Chair
- BSN2019 TPC Co-Chair

BSN2019 TPC Chair:
- John A Rogers, Northwestern U
An Effective and Helpful PCO

Conference Catalysts

IEEE BHI & BSN 2019
Best Practices: Leadership, Quality, Focus, and Team

Shankar Subramaniam
EMBS President
UCSD
EMBS Branding Leadership

Guangzhong Yang
EMBS Past Present
BHI-BSN SC Chair
Imperial College
BHI-BSN Joint Team Leader, Sponsor

Andrew Laine
BHI-TC Chair
Columbia U
BHI Team Lead, Roadmap

Benny Lo
BSN Team Lead, Roadmap

Steve Wong
BHI-TC
Past Chair
Methodist U
Strategy and Partnerships

Yufei Huang
BSN-TC
Chair
BHI-BSN
Treasure
U. Texas SA
Financial Planning

May D Wang
BHI-TC Past Chair
EMBS VP Treasure
Georgia Tech-Emory U
Fund Raising Community

EMBS Tracked
Submission

<table>
<thead>
<tr>
<th>Month</th>
<th>4-Pagers</th>
<th>WS/SS/Tutorial Sessions</th>
<th>1-Pagers</th>
<th>Special Session 1-P</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 2014</td>
<td>220+36 (256)</td>
<td>8</td>
<td>39</td>
<td>48</td>
</tr>
<tr>
<td>Feb 2016</td>
<td>263+51 (314)</td>
<td>32</td>
<td>63</td>
<td>58</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Month</th>
<th>4-Pagers</th>
<th>WS/SS/Tutorial Sessions</th>
<th>1-Pagers</th>
<th>Special Session 1-P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb 2017</td>
<td>322</td>
<td>17</td>
<td>89</td>
<td>48</td>
</tr>
<tr>
<td>Mar 2018</td>
<td>294 + 111</td>
<td>18 + 4</td>
<td>97 + 34</td>
<td>58</td>
</tr>
<tr>
<td>May 2019</td>
<td>388</td>
<td>13</td>
<td>128</td>
<td>28</td>
</tr>
</tbody>
</table>

Registrations:

- April 2014: 279
- June 2016: 335
- Feb 2017: 296
- Mar 2018: 442
- May 2019: 481

Finance:

- April 2014: $6,208 (4.1%)
- June 2016: -$78,065 (-36.4%)
- Feb 2017: -$33,602 (-20.0%)
- Mar 2018: $45,600.46 (20.46%)
- May 2019: $55,000 (25%)

NOTE: Black Color: Bi-Annual Meeting (by EMBS EO); Navy Color: Annual Meeting (by EMBS EO); Red Color: Do NOT Meet IEEE 20% Surplus
Purple: Annual Meeting (by Mary Ward-Cullen and Lukrecija Lelong @ IEEE, and Conference Catalyst Team)
Thanks to Keynotes

Shankar Subramaniam  Elazer R. Edelman  Ketan Paranjape  Arun Jayaraman  James L. Madara

Susan Tousi (NAE)  David C. Duffy  John A. Rodgers (NAE, NAS)  Joshua A. Gordon

IEEE BHI - BSN 2019
Monday (May 20th, 2019) Featured Session

Meeting with Funding Agencies

13:25pm-14:40pm, Main Hall AB

Dr. Wendy Nilsen
Smart Health at the National Science Foundation

Dr. Suzana Petanceska:
National Institute on Aging – Translational Research Programs and Infrastructure

Dr. Elebeoba E. May
Opportunities at the National Science Foundation in the Division of Molecular and Cellular Biosciences

Dr. Jean Yuan (NIH/SRO)
NIH Peer Review and The Biomedical Computing and Health Informatics (BCHI) Panel
Tuesday (May 21st, 2019) Featured Session

Clinical and Translational Lunch Panel

11:25am-12:40pm, Main Hall AB

Dr. Robert A. Barish
Vice Chancellor for Health Affairs, UIC

Dr. Karl Kochendorfer
Assistant Vice Chancellor for Health Affairs, UIC

Dr. Justin Starren
Chief of Health and Biomedical Informatics, Northwestern U.

Dr. James L. Madara
CEO of the American Medical Association
Wednesday (May 22nd, 2019) Featured Session

Meeting with Editors in Chief

12:15pm-13:30pm, Main Hall AB

Dr. Dimitris Fotiadias
Journal of Biomedical And Health Informatics (JBHI)

Dr. Xiaochuan Pan
IEEE Transactions on Biomedical Engineering (TBME)

Dr. Stephen Wong
Computational Medical Imaging and Graphics
Thanks to Participants
Special Issue on IEEE J-BHI

Integrative Sensor Networks, Informatics and Modeling for Precision and Preventative Medicine

Guest Editors

Wei Chen (Fudan University, China)
David Clifton (University of Oxford, UK)
Brian Telfer (MIT Lincoln Laboratory, USA)

Key Dates

Deadline for Submission: October 1, 2019
First Reviews Due: January 1, 2020
Revised Manuscript Due: March 1, 2020
Final Decision: April 1, 2020

https://jbhi.embs.org/
JBHI Impact Factor and Total Submissions

- Journal Impact Factor:
  - 2018: **IF=4.22**
  - 2017: **IF=3.85**
  - 2016: **IF=3.45**
  - 2015: **IF=2.09**
  - 2014: **IF=1.44**

* For 2019 the total number of submissions has been calculated based on projection performed according to the number of papers submitted on May 14th, 2019.
<table>
<thead>
<tr>
<th>Journal Statistics</th>
<th>Prior 12 Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avg. days from submission to first decision</td>
<td><strong>27.7</strong></td>
</tr>
<tr>
<td>Avg. Reviewer turnaround time (days) - Original</td>
<td>18.8</td>
</tr>
<tr>
<td>Avg. Reviewer turnaround time (days) - Resubmission</td>
<td>0.0</td>
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<tr>
<td>Avg. Reviewer turnaround time (days) - Revision</td>
<td>14.3</td>
</tr>
<tr>
<td>Avg. Time to Assign Reviewer (days) - Original</td>
<td>7.9</td>
</tr>
<tr>
<td>Avg. Time to Assign Reviewer (days) - Resubmission</td>
<td>0.0</td>
</tr>
<tr>
<td>Avg. Time to Assign Reviewer (days) - Revision</td>
<td>3.8</td>
</tr>
<tr>
<td>Avg. days from submission to final decision</td>
<td><strong>36.1</strong></td>
</tr>
</tbody>
</table>
Number of Papers for Decisions (May 14, 2019)

* For 2019 the decisions per year correspond to May 14th 2019.
Website & Members @ Large (MAL) & Mailing Lists

URL: https://tc-bhi.embs.org/members/

Mailing lists:
- embs-tc-XXX@listserv.ieee.org
- embs-tc-XXX-mal@listserv.ieee.org

Website Manager
- Volunteer: To Be Decided.
- Staff: Michael Markowycz

Website Content:
- TO BE UPDATED BY both TC-BHI Volunteer and Staff.
- Role of TC
- Scientific Portfolio
- Members and Committees
- Resources and News

Current usage of MAL mailing list:
- Need EMBS EO to provide such data.

Action List:
- Decide Website Content Manager
- Update Website Content.
Future Initiatives and Comments

• Current initiatives:

1) Proposal for new EMBS co-sponsored **workshops**
   - AI/ML for BME and Healthcare (TC Member: Steve Wong and May D Wang)
   - Computational Modeling in New Era or AI (TC Member: Elebeoba E May)

2) Involve more industry and clinicians via
   - BHI-TC Liaisons (Andrew Laine, Steve Wong, Elliot Slaone, Jie Liang)
   - AMIA, JAMA, The Obesity Society, AMA

3) Connect students with experts via BHI-TC:
   - Subhamoy Mandal, DKFZ, Germany, and Ahmed Metwally, Stanford U, USA

4) Increase participation from female scientists via **Women in BHI Chairs:**
   - Holly Jimison, Northeastern U, USA
   - Maria Teresa Arrendondo, U Politècnica Madrid, Spain
   - Amy Wang, U of Alabama, USA
Future Initiatives and Comments

Comments to EMBS AdCom and ExCom: *The surplus made by hard work of BHI-TC volunteers should be provided to BHI-TC to continually enlarge the societal impact by promoting:*

- Quality and Reputation of BHI and JBHI
- Membership for JBHI and BHI Organizing team (reviewers, AEs, sessions chairs, etc.)

**New Initiatives and Budget Request To Use BHI Conference Surplus**

1) Making JBHI Journals and BHI Conference 1st Tier Technical Journal and Conference in the World: Seed Budgets for BHI-TC Members to cost-share Face-to-Face meeting when acceptance rate drops to 15% or less: $8,000

2) BHI Specific Awards
   1) Best Student Thesis Award: $1,000
   2) Appreciation Certificates to BHI-TC Members or BHI Community Volunteers who Contribute Significantly to BHI (JBHI AE, BHI OC, Star Reviewers, BHI-TC Members etc.): $300

3) Increasing bound between Academic and Industry by Promoting BHI training on young professionals: Design Continuing Annual Student Datathon Competition, and EMBS-BHI Student Resume Database for Fund Raising: $2,700

4) Working with Clinical Societies to have CME Courses: MOOC Type of Course and CME Process.
Want to join?

Click:
https://app.smartsheet.com/b/form/0fb49dd775a34a35a1a385030dfa2282

Immediate Contribution:

Co-localize with BSN
BHI-BSN2020
Portfolio of Focus Initiatives

Upcoming Event - organized in future years - (Special Topic Conference, Summer School)

[CONF]: Special topic conference(s):
   2020 International Conference on Biomedical and Health Informatics

[CONF]: 2020 EMBS annual Conference (EMBC):
   Theme 10 – Biomedical and Health Informatics

[MEMBERS]: Summer School:
   To Be Organized.