

## EF2019 CONFERENCE PROGRAM (APRIL 18, 2019)

*The 6<sup>th</sup> International Conference on Clinical and Engineering Frontiers  
in Pediatric and Congenital Heart Disease, May 9-11, 2019  
Held at the Children's Hospital of Philadelphia, Philadelphia, PA.*

### Thursday, May 9, 2019

19:00 – 20:30 Dinner - By Invitation Only

### Friday, May 10, 2019

07:00 – 08:00 Conference Registration and Continental Breakfast

08:00 – 08:10 **Opening Remarks:**  
Mark Fogel, MD (CHOP)  
08:10 – 08:30 Paul Weinberg (CHOP)

08:30 – 09:00 **Keynote Address: Bin Qiao** (Shanghai Children's Hospital - China)  
*New Fontan Surgeries*  
  
Introduction: **Ajit Yoganathan** (Georgia Tech)

09:00 – 10:40 **Technical Session #1: Single Ventricle**  
Session Chair: **Sitaram Emani** (Boston Children's Hospital)

9:00-9:20 **Jack Rychik** (CHOP)  
9:20-9:40 **Ajit Yoganathan** (Georgia Tech)  
9:40-10:00 **Alison Marsden** (Stanford)  
10:00-10:20 **Mark Fogel** (CHOP)  
10:20-10:40 **William Decampoli** (Orlando Health)

10:40 – 11:00 Coffee Break

11:00 – 12:20 **Technical Session #2: Mechanical Circulatory Support in CHD and Uses in the ICU/OR**  
Session Chair: **Keefe Manning** (Penn State)

11:00-11:20 **Salim Olia** (Pitt)  
11:20-11:40 **Amy Throckmorton** (Drexel)  
11:40-12:00 **Matt O'Connor** (CHOP)  
12:00-12:20 **Ibrahim Aka** (Koc)

12:20 – 13:15 Lunch Break and Poster Session

13:15 – 13:45	<p><b>Keynote Address: Sitaram Emani</b> (Boston Children's Hospital) <i>Surgical Planning for Single Ventricle Procedures</i></p> <p>Introduction : <b>Mark Fogel</b> (CHOP)</p>
13:45 – 15:25	<p><b>Technical Session #3: Pediatric Tissue Engineering</b> Session Chair:</p> <p>13:45-14:05 <b>Chris Breuer</b> (Nationwide Children's Hospital) 14:05-14:25 <b>Jay Humphrey</b> (Yale) 14:25-14:45 <b>Sung Kang</b> (Johns Hopkins) 14:45-15:05 <b>Mike Davis</b> (Emory University)</p>
15:05 – 15:20	<b>Coffee Break</b>
15:20 – 16:35	<p><b>Technical Session #4: Young Investigator Program</b> Session Chair: <b>Ajit Yoganathan</b> (Georgia Tech)</p> <p>15:20-15:35 <b>Erica Schwarz</b> (Stanford) 15:35-15:50 <b>Victoria Ordonez</b> (Bristol) 15:50-16:05 <b>Ryan Pewowaruk</b> (Wisconsin) 16:05-16:20 <b>Alessandro Caimi</b> (Milano) 16:20-16:35 <b>Bryan Good</b> (Penn State)</p>
16:35 – 18:10	<p><b>Debates:</b> (45 minutes each)</p> <ol style="list-style-type: none"> <li><i>Pediatric Class III cardiovascular devices: Are they commercially viable?</i> PRO: <b>Harvey Borovetz</b> (Pitt) CON: <b>Bartley Griffith</b> (Maryland-Baltimore)</li> <li><i>Computational Fluid Dynamics will never come into routine clinical use.</i> (PRO/CON) PRO: <b>Alain Kassab</b> (UCF); <b>Irene Vignon-Clementel</b> (INRIA) CON: <b>Jack Rome</b> (CHOP); <b>Dave Nykanen</b> (Orlando)</li> </ol> <p>Panel Moderator: <b>Mark Fogel</b> (CHOP)</p>
18:10 – 19:25	<b>Hors d'oeuvres and drinks, Poster Sessions, and Poster Judging</b>
	<b>Dinner on your own</b>

## Saturday, May 11, 2019

07:00 – 08:00	<b>Conference Registration and Continental Breakfast</b>
08:00 – 08:15	<b>Announcements</b>
08:15 – 09:55	<p><b>Technical Session #5: Thrombosis and Hematology in Congenital Heart Disease</b> Session Chair:</p> <p>8:15-8:35 <b>Therese Giglia</b> (CHOP) 8:35-8:55 <b>Vijay Govindarajan</b> (Boston Children's Hospital)</p>

	8:55-9:15 <b>Ashley Brown</b> (UNC) 9:15-9:35 <b>Prashant Purohit</b> (UPenn) 9:35-9:55 <b>Keefe Manning</b> (Penn State)
<b>9:55 – 10:10</b>	<b>Coffee Break</b>
<b>10:10 – 11:50</b>	<b><u>Technical Session #6: Imaging</u></b> Session Chair:  10:10-10:30 <b>Alejandro Roldan-Alzate</b> (Wisconsin) 10:30-10:50 <b>Vivek Muthurangu</b> (UCL) 10:50-11:10 <b>Paul Stephens</b> (CHOP) 11:10-11:30 <b>Giovanni Biglino</b> (Bristol) 11:30-11:50 <b>Petter Frieberg</b> (Skane)
<b>11:50 – 12:25</b>	<b><u>Keynote Talk: William Weiss</u></b> (Penn State) <i>Pediatric Mechanical Circulatory Support</i>  Introduction: <b>Keefe Manning</b> (Penn State)
<b>12:30 – 13:30</b>	<b>Lunch</b>
<b>13:30 – 14:50</b>	<b><u>Technical Session #7: Coarctation/Tetralogy of Fallot/Norwood</u></b> Session Chair:  13:30-13:50 <b>Amanda Randles</b> (Duke) 13:50-14:10 <b>Kevin Whitehead</b> (CHOP) 14:10-14:30 <b>Arash Ghorbanniahassankiadeh</b> (Marquette) 14:30-14:50 <b>Nicole Schiavone</b> (Stanford)
<b>14:50 – 16:10</b>	<b><u>Technical Session #8: Pediatric Cardiovascular Devices</u></b> Session Chair:  14:50-15:10 <b>Nicole Ibrahim</b> (FDA) 15:10-15:30 <b>Gail Pearson</b> (NIH) 15:30-15:50 <b>Matt Maltese</b> (UPenn Pediatric Consortium) 15:50-16:10 <b>TY Hsia</b> (Yale)
<b>16:10 – 16:25</b>	<b>Coffee Break</b>
<b>16:25 – 17:35</b>	<b><u>Technical Session #9: Artificial Intelligence and 3D Printing</u></b> Session Chair:  16:25-16:35 <b>Paris Pardikis</b> (UPenn) 16:35-16:55 <b>Justin Ryan</b> (Phoenix Children's Hospital) 16:55-17:15 <b>Cynthia Sung</b> (UPenn) 17:15-17:35 <b>Katrina Ruedinger</b> (Wisconsin)
<b>17:40 – 18:40</b>	<b><u>Steering Committee Meeting</u></b>