

**9:00am - 10:45am: Session A**

<b>Session A1</b>	<b>Session A2</b>	<b>Session A3</b>	<b>Session A4</b>	<b>Session A5</b>	<b>Session A6</b>	<b>Session A7</b>
Panel 1	Panel 2	Panel 3	BIOE Topics	CEE Topics	CHE Topics	ECE Topics
Chair: Kayla Franchetti	Chair: Emily McCullough	Chair: Mary Muirhead	Chair: Braden Baxendell	Chair: Evan Allen	Chair: Ashley Choe	Chair: Andrew Cohen
Room: BEH 309	Room: BEH 318	Room: BEH 319	Room: BEH 320	Room: BEH 102	Room: BEH 226	Room: BEH 227
Featured engineers:	Featured engineers:	Featured engineers:	Boras, Saravanan, Tar (Paper 159)	Brister, Smith, Subramanian (Paper 19)	Aziz, Jakiela, Powell (Paper 12)	Arunchander, Keys, Trivedi (Paper 10)
Robert Boback, CHE	Casey Cadman, MEMS	Zack Ramsey, CHE	Bernas, Wild-Coll, Yonker (Paper 18)	Bloser, Bogler, Schoonover (Paper 23)	Bruette, Hart, Mastria (Paper 13)	Defeo, Hassel, Jordan (Paper 17)
Dave Gau, BIOE	Mikayla Ferchaw, IE	Sreyas Ravi, BIOE	Chaer, Kandalam (Paper 21)	Ramirez, Snyder, Valentine (Paper 28)	Bogaert-Lee, Gayle, Young Bey (Paper 35)	Safe Carneiro Serwy, Thomas, Uganandan (Paper 2)
Mike Howell, CEE	Beth Lyman, ECE	Liam Salter, ECE	Baradwaj, Carey, Joshi (Paper 22)	Haberman, Jacoby, Peglowski (Paper 32)	Gaston, Johns, Noel- Brown (Paper 45)	Klein, Ross, Solano (Paper 20)
Joe MacDonald, IE	Dustin Taylor, ECE	Adam Walkowiak, CEE	Gower, Kuljic, Rubenstein (Paper 26)	Altunal, Ni, Schlaufman (Paper 49)	Beers, Klan, Wheelles (Paper 9)	Cramer, Grindle, Groves (Paper 5)
			Mucho, Ngo, Sarabekova (Paper 52)			
			Deane, Granfield, Raleigh (Paper 6)			

**9:00am - 10:45am: Session A, continued**

<b>Session A8</b>	<b>Session A9</b>	<b>Session A10</b>	<b>Session A11</b>	<b>Session A12</b>	<b>Session A13</b>	<b>Session A14</b>
Assorted Topics	MEMS Topics	MEMS Topics	BIOE Topics	BIOE Topics	CHE Topics	ECE Topics
Chair: Julia Cooney	Chair: Manya Natakala	Chair: Jake Orenstein	Chair: McKenna Kerns	Chair: Benjamin Kitchen	Chair: Gage Pegher	Chair: Abbey Stewart
Room: BEH 229	Room: BEH G24	Room: BEH G27	Room: BEH G28	Room: BEH G29	Room: BEH G30	Room: BEH G31
Julin, Thakore, Wu (Paper 16)	Britton, Eljounfri, Rondon (Paper 11)	Alfirevic, Corbett, Laughlin (Paper 104)	Khan, Rabie, Rengaramanujam Kanagaraj (Paper 190)	Davis, Patel (Paper 120)	Logan, Mitchell, Stermitz (Paper 129)	Crandall, Hunt, Madrigal (Paper 100)
Liang, Quinn, Spicer (Paper 171)	Nulwala, Wolf, Ye (Paper 14)	Elsayed, Neuer, Xu (Paper 115)	Gangwar, Louderback, Nguyen (Paper 193)	Diaz-Tafel, Latona, Razon (Paper 137)	Pusey, Walters, Whowell (Paper 158)	Djurasevic, Lundelius, Steinmetz (Paper 105)
Choe, Kim, Listner (Paper 175)	Dana, Henceroth, Rapaport (Paper 3)	Lindsay, Negron, Ratchford (Paper 119)	Adams, Lin, Sevak (Paper 61)	Fluhr, Ivory, Kwakwa (Paper 140)	Lehman, Mckinney, Monroe (Paper 174)	Cameron, Hrbek, Neil (Paper 106)
Chhetri, Riley, Zagorski (Paper 29)	Lanza, Pattison, Turk (Paper 4)	Heineman, Thornton, lamm (Paper 123)	Ninan, Oguku, Perry (Paper 72)	Alfonzo, Fiedler, Rivera (Paper 141)	D'Andrea, Palmer, Suplick (Paper 180)	Peters, Wist (Paper 107)
Fregoli, Mercincavage, Salvatore (Paper 7)	Forbes, Mcbride, Stewart (Paper 8)	Black, Obadic, Pillai (Paper 124)	Gourley, Kosta, Peterson (Paper 78)	Catchen, Weidner, Wilson (Paper 142)	Mullins, Samuels, Walker (Paper 187)	Fela, Kwon, Omara (Paper 116)
			Barzen, Cengel, Satory (Paper 88)	Chen, Donnelly, Dotiwalla (Paper 185)		
			Fabina, Ralston, Sheridan (Paper 95)	Huang, Lee, Luo (Paper 198)		

**10:45am - 11:00am**

**BREAK**

**11:00am - 12:45pm: Session B**

<b>Session B1</b>	<b>Session B2</b>	<b>Session B3</b>	<b>Session B4</b>	<b>Session B5</b>	<b>Session B6</b>	<b>Session B7</b>
Panel 4	Panel 5	Panel 6	BIOE Topics	CEE Topics	CHE Topics	ECE Topics
Chair: Braden Baxendell	Chair: McKenna Kerns	Chair: Benjamin Kitchen	Chair: Kayla Franchetti	Chair: Evan Allen	Chair: Ashley Choe	Chair: Andrew Cohen
Room: BEH 309	Room: BEH 318	Room: BEH 319	Room: BEH 320	Room: BEH 102	Room: BEH 226	Room: BEH 227
<u>Featured engineers:</u>	<u>Featured engineers:</u>	<u>Featured engineers:</u>	Cun, Mest, Roy (Paper 186)	Ledo, Rosenberg (Paper 1)	Bricker, Lee, Ni (Paper 102)	Fojas, Kumar, Wolff (Paper 27)
Nicole Gausa, CHE	Casey Cadman, MEMS	Naomi Anderson, CEE	Garro, Ukwandu, Undie (Paper 34)	Dipalma, Ford, Stewart (Paper 33)	Christensen, Halleran, Knight (Paper 118)	Moore, Saravanakumar, Venkadesan (Paper 38)
Mike Howell, CEE	Beth Lyman, ECE	Josh Ciampini, IE	Bennett, Moore, Padron (Paper 41)	Bender, Ward, Laux (Paper 47)	Collier, Cooper, Ramirez (Paper 25)	Enos, Moyer, Raizen (Paper 40)
Joe MacDonald, IE	Kate Mains, BIOE	Kerry McCarthy, IE	Christenson, Janapareddy, Kuniak (Paper 44)	Giandomenico, Leahy, Moore (Paper 55)	Bogdanski, Flaherty, Peralta (Paper 51)	Chen, Holtcamp, Sitaraman (Paper 73)
Paige Risley, CHE	Dustin Taylor, ECE	Zack Ramsey, CHE	Barnett, Golden, Walsh (Paper 46)	Babouche, Leopold, Vinansky (Paper 57)	Asmuth-Day, Depasquale, Hockett (Paper 92)	Kalbach, Rennekamp, See (Paper 79)
			Collins, Jensen, Mattole (Paper 48)			
			Bajek, Creighton, Gillin (Paper 76)			

**11:00am - 12:45pm: Session B, continued**

<b>Session B8</b>	<b>Session B9</b>	<b>Session B10</b>	<b>Session B11</b>	<b>Session B12</b>	<b>Session B13</b>	<b>Session B14</b>
Assorted Topics	MEMS Topics	MEMS Topics	BIOE Topics	CEE Topics	CEE Topics	ECE Topics
Chair: Julia Cooney	Chair: Manya Natakala	Chair: Jake Orenstein	Chair: Emily McCullough	Chair: Gage Pegher	Chair: Abbey Stewart	Chair: Mary Muirhead
Room: BEH 229	Room: BEH G24	Room: BEH G27	Room: BEH G28	Room: BEH G29	Room: BEH G30	Room: BEH G31
Colmenares Bittar, Gibson, Kuang (Paper 37)	Bower, D'Amato, Torres (Paper 15)	Choi, Jadhav, Shipton (Paper 126)	Konieczka, Qadir, Whalen (Paper 103)	Dzanaj, Horne, Winschel (Paper 125)	Embert, Griffin, Stonecheck (Paper 161)	Arduino, Benner, Molesevich (Paper 127)
Brzowski, Gordon, Nguyen (Paper 39)	Coyne, Quinn, Robinson (Paper 24)	Ranjan, Suresh, Weinstein (Paper 131)	Baron, Davis, Lorenz (Paper 110)	Engel, Kueny, Levy (Paper 134)	Brazhnikov, Bruni, Reuss (Paper 163)	Kim, Lam, Sirigiri (Paper 132)
Cardenas, Ennis, Kong'Ong'O (Paper 42)	Bennett, Nguyen, Talai (Paper 31)	Chan, Kim, Kwiatkowski (Paper 138)	Alladu, Piasecki, Valderrama (Paper 112)	Gallagher, Henchir, Workman (Paper 147)	Anfuso, Bird, Wells (Paper 172)	Ajose, Moore (Paper 148)
Clineff, Numfor, Unice (Paper 59)	Dass, Iavarone, Wong (Paper 50)	Anderson, Orsborn, Rhodes (Paper 139)	Covey, Kendall, Robertson (Paper 113)	Hartman, Patel, Sivakumar Venkataraman (Paper 149)	Alamo-Rosas, Gingerich, Stansberry (Paper 30)	Fairfield, McCoy, Walker (Paper 160)
Albu, Grant, Gray (Paper 68)	Conway, Moore, Whitley (Paper 53)	Grous, Ingram, Nicoara (Paper 151)	Hashem, Kumar, Mills (Paper 195)	Dreher, Kearn, Linkenheimer (Paper 155)	Creagh, Heineman, Taylor (Paper 64)	Feltenberger, Harding, Jennings (Paper 165)
			Jordan, Scioscia, Varkey (Paper 97)			Gregoire, Murray, Tong (Paper 169)
			Haddock, Letcher, Patel (Paper 98)			Jalosinski, Menon, Yelcick (Paper 200)

**12:45pm - 1:45pm**

**LUNCH BREAK**

**1:45pm - 2:15pm**

**KEYNOTE BY:**

**COLIN HUWYLER**

**OPTIMUS TECHNOLOGIES**

**2:15pm - 2:45 pm**

**AWARDS PRESENTATION**

**2:45pm - 3:00pm**

**BREAK**

**3:00pm - 4:45pm: Session C**

<b>Session C1</b>	<b>Session C2</b>	<b>Session C3</b>	<b>Session C4</b>	<b>Session C5</b>	<b>Session C6</b>	<b>Session C7</b>
BIOE Topics	CEE Topics	CHE Topics	ECE Topics	Assorted Topics	MEMS Topics	Assorted Topics
Chair: Kayla Franchetti	Chair: Evan Allen	Chair: Emily McCullough	Chair: Ashley Choe	Chair: Mary Muirhead	Chair: Andrew Cohen	Chair: Braden Baxendell
Room: BEH 309	Room: BEH 318	Room: BEH 319	Room: BEH 320	Room: BEH 102	Room: BEH 226	Room: BEH 227
Minutolo, Murphy, Wu (Paper 189)	Daniel, Lafave, Sui (Paper 109)	Crisi, Fisher, Mutchler (Paper 108)	Michael, Nebel, Scott (Paper 80)	Brosius, Chen, Smith (Paper 54)	Mazuca, Schaller, Vazquez (Paper 60)	Hering, Messe, Theodorakos (Paper 122)
Knight, Mukherjee (Paper 192)	Agerbak, Davern (Paper 56)	Duarte Madeira, Hockenberry, Kostelac (Paper 128)	Dayo, Glover, Njunge (Paper 82)	Krastev, Romero, Tulett (Paper 69)	Harder, Pham, Zheng (Paper 62)	Hanson, Horgan, Paradis (Paper 130)
Berhanu, Kim, Lyles (Paper 36)	Bunovich, Ghimire, Tang (Paper 87)	Badrane, Jiang, Pons (Paper 133)	Franks, Hutjens, Leskovic (Paper 83)	Freed, Pan, Park (Paper 71)	Decter, Ebarb, Gawronski (Paper 63)	Coates, Leshem, Singh (Paper 153)
Hardel, Padmanabhan, Qi (Paper 43)	Castillo Betancourt, Corigliano (Paper 90)	Ramdass, Regan (Paper 136)	Babilon, Schroll Wood (Paper 89)	Chase, Rick, Suwannachin (Paper 74)	Comunale, Harrison, Porter (Paper 70)	Guo, Jens (Paper 154)
Hansell, Harrell, Steinberg (Paper 58)		Patel, Sureshkumar, Tabak (Paper 143)		Klypka, Mahali, Rajkumar (Paper 77)		Citrino, Laux, Sitler (Paper 157)
Brinkerhoff, Mahadevan (Paper 66)		Mcgowan, Thomas, Tong (Paper 146)		DiNatale, Kuriakose, Sterling (Paper 85)		Belch, Chung, Sluiter (Paper 196)
Magiera, Mamane, Wright (Paper 67)		Miller, Persigo Vargas, Schnore (Paper 150)		Fingal, Manganaro, Roth (Paper 94)		Killeen, Megahed (Paper 91)

**3:00pm - 4:45pm: Session C, continued**

<b>Session C8</b>	<b>Session C9</b>	<b>Session C10</b>	<b>Session C11</b>	<b>Session C12</b>	<b>Session C13</b>	<b>Session C14</b>
BIOE Topics	BIOE Topics	BIOE Topics	ECE Topics	Assorted Topics	MEMS Topics	Assorted Topics
Chair: McKenna Kerns	Chair: Benjamin Kitchen	Chair: Julia Cooney	Chair: Manya Natakala	Chair: Jake Orenstein	Chair: Gage Pegher	Chair: Abbey Stewart
Room: BEH 229	Room: BEH G24	Room: BEH G27	Room: BEH G28	Room: BEH G29	Room: BEH G30	Room: BEH G31
Cohen, Kohn, knight (Paper 117)	Chiarella, Clark, Shelly (Paper 152)	Burness, Lin, Shah (Paper 170)	Furko, Mlynek, Nybeck (Paper 167)	Hull, Nagathota, Ploucquet (Paper 111)	Farmerie, Landman, Robbins (Paper 101)	Brashear, Nicolau, Padarth (Paper 156)
Lancet, Malloy, Mcmoil (Paper 135)	Medzoyan, Riley, Umbright (Paper 162)	Kaufman, Rizer, Taylor (Paper 173)	Akram, Miller, Torster (Paper 177)	Allwein, Martin, Mckendry (Paper 114)	Geer, Kuhl, Rankin (Paper 65)	Foster, Nair (Paper 183)
Hicks, Lentz, Prange (Paper 144)	Culver, Gales, Weinik- Brewer (Paper 164)	Anderson, Breighner, Wiegner (Paper 176)	Bleice, Dunkerley, Rudy (Paper 191)	Botes, Poling, Scibetta (Paper 121)	Barker, Essner, Wojdelko (Paper 75)	Abdel-Messih, Chin, Mirji (Paper 194)
Buhr, Devaki, Vaidyanathan (Paper 145)	Badrinath, Khan, Savitch (Paper 166)	Divergilio, Medvid, Short (Paper 179)	Gajan, Reynolds (Paper 197)	Lee, Route, Thondaiman (Paper 188)	Ortega-Brown, Rarrick, Watkins (Paper 81)	Cottrill, Pham, Sarisky (Paper 86)
Barrall, Castillo, Wilson (Paper 178)	Chen, Jarrar, Lim (Paper 168)	Rodriguez, Shea, Troha (Paper 181)		Glynn, Kachmar, Siegal (Paper 99)	Hill, Kuchma, Odeyemi (Paper 96)	Bolek, Kelly, Swartz (Paper 93)
Burke, Murray, Watson (Paper 182)	Hughes, Odeniyi (Paper 184)					
Gross, Kovacs, Stoughton (Paper 84)	Durka, Gunthert, LaBella (Paper 199)					