# CAPSTONE DESIGN TEAMS

## AEROSPACE ENGINEERING

<table>
<thead>
<tr>
<th>Team Name</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AE 4341: Senior Design Team 1</td>
<td>UCAY</td>
</tr>
<tr>
<td>AE 4343 Team 3</td>
<td>eVTOL Air Taxi for Passengers with Reduced Mobility, B3</td>
</tr>
<tr>
<td>Borgia</td>
<td>eVTOL Air Taxi for Passengers with Reduced Mobility, Y30</td>
</tr>
<tr>
<td>DREAD</td>
<td>Detection, Reconnaissance, and Exploration Anchored on Deimos, G9</td>
</tr>
<tr>
<td>F.A.S.T — Forerunning Aircraft for Supersonic Transport</td>
<td>Preliminary Design for a Supersonic Transport Jet, B1</td>
</tr>
<tr>
<td>Galactic Jackets</td>
<td>Inspiration Mars Rover Mission, R48</td>
</tr>
<tr>
<td>GT-404 Sting</td>
<td>Supersonic Transport Jet, R14</td>
</tr>
<tr>
<td>PICARD</td>
<td>Phobos Internal Characteristics Analysis and Regolith Determination (PICARD), Y43</td>
</tr>
<tr>
<td>Sturmfee</td>
<td>eVTOL AAM for Passengers with Reduced Mobility, Y11</td>
</tr>
<tr>
<td>Supersonic Jet Design Crew</td>
<td>Supersonic Transport Jet, R40</td>
</tr>
<tr>
<td>Team AE 4343</td>
<td>eVTOL Air Taxi for Passengers with Reduced Mobility, Y20</td>
</tr>
<tr>
<td>The Morpheus Project</td>
<td>Project Morpheus: Supersonic Transport Jet, B20</td>
</tr>
</tbody>
</table>

## BIOMEDICAL ENGINEERING

<table>
<thead>
<tr>
<th>Team Name</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poff + Woodham</td>
<td>Rhythmic Liberation, R15</td>
</tr>
<tr>
<td>Team Pith</td>
<td>Through the Wooden Glass, R1</td>
</tr>
<tr>
<td>The Knots</td>
<td>Mass Impact, Y9</td>
</tr>
<tr>
<td>Tim[ber] Mobile, G12</td>
<td>Breath of Defance, B25</td>
</tr>
<tr>
<td>Verse</td>
<td>Breath of Defance, B25</td>
</tr>
<tr>
<td>SatisTraction</td>
<td>At-Home Ankle Distraction Device, W33</td>
</tr>
<tr>
<td>SubTunnelers</td>
<td>Neurosurgical VP Shunt Tunneler, G16</td>
</tr>
<tr>
<td>Team No MisTraches</td>
<td>Tracheostomy Stabilizer, Y18</td>
</tr>
<tr>
<td>Team Number One</td>
<td>Automatic Urine Flow Monitor, R11</td>
</tr>
<tr>
<td>TechMO</td>
<td>Eliminating risks while connecting extracorporeal membrane oxygenation with continuous renal replace, B14</td>
</tr>
<tr>
<td>The Rolling Kidney Stones</td>
<td>Ureteroscopy, Reimagined, R49</td>
</tr>
<tr>
<td>Tonsil Consul</td>
<td>Limiting the Spread of Droplet Disease during Oral Pharyngeal Exams, R24</td>
</tr>
<tr>
<td>UCollect</td>
<td>R50</td>
</tr>
</tbody>
</table>

## ELECTRICAL & COMPUTER ENGR.

<table>
<thead>
<tr>
<th>Team Name</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJMT</td>
<td>Collision Detection Bucket Sensor, G19</td>
</tr>
<tr>
<td>DropLock</td>
<td>Free Fall Detection, W10</td>
</tr>
<tr>
<td>ErgCon</td>
<td>Ergonomic Controller, R9</td>
</tr>
<tr>
<td>Eventr, Y32</td>
<td></td>
</tr>
<tr>
<td>FM Software Defined Radio, R24</td>
<td></td>
</tr>
<tr>
<td>Headphone Amplifier with Loudness Compensation</td>
<td>Headphone Amplifier with Loudness Compensation, R23</td>
</tr>
<tr>
<td>iValet, B32</td>
<td></td>
</tr>
<tr>
<td>Lead Ladies</td>
<td>Marine Heavy Metal Sensing Platform, R27</td>
</tr>
<tr>
<td>MealPirates</td>
<td>Meal Pirates Delivery, Y24</td>
</tr>
<tr>
<td>ML for Leakage Detection, G11</td>
<td></td>
</tr>
<tr>
<td>Oral Pharyngeal Exams, R24</td>
<td></td>
</tr>
<tr>
<td>Pegasus</td>
<td>Pegasus Autonomous Mail Delivery Drone, G1</td>
</tr>
<tr>
<td>Sixth Sense</td>
<td>Haptic Feedback Navigation Vest, R51</td>
</tr>
<tr>
<td>Smart Sight</td>
<td>LCD-Enabled HUD for Facial Recognition and Shading, W36</td>
</tr>
<tr>
<td>Smart Tennis Racquet Sensor</td>
<td>Customizable Digital Effect Pedal, R34</td>
</tr>
<tr>
<td>Solar Powered Drone, W29</td>
<td></td>
</tr>
<tr>
<td>spot</td>
<td>Acoustic Multi-Sore Localization, R26</td>
</tr>
<tr>
<td>Sweet Dreams</td>
<td>Nemi, W8</td>
</tr>
<tr>
<td>Team #1</td>
<td>Wearable Device/App, G23</td>
</tr>
</tbody>
</table>

## INDUSTRIAL & SYSTEMS ENGR.

<table>
<thead>
<tr>
<th>Team Name</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>Interconnected Order Fulfillment Y25</td>
</tr>
<tr>
<td>A Tray A Day Keeps The Delays Away, Y12</td>
<td></td>
</tr>
<tr>
<td>Atlanta Braves</td>
<td>Chomp On!, R38</td>
</tr>
<tr>
<td>Back of House PArty</td>
<td>Reordering Process Improvement, Y15</td>
</tr>
<tr>
<td>Box Half Full?</td>
<td>Penguin Random House Order Fulfillment, Y23</td>
</tr>
<tr>
<td>Breeze into the Benz</td>
<td>Mercedes-Benz Stadium Ingress/Egress Optimization, Y48</td>
</tr>
<tr>
<td>Give Us a PAT on the Back</td>
<td>Reduce Cycle Time for Pre-Admission Testing Patients, R37</td>
</tr>
<tr>
<td>Grady’s Anatomy, Y41</td>
<td></td>
</tr>
<tr>
<td>Honey Jackets</td>
<td>Making Honeywell’s Money Swell, Y45</td>
</tr>
<tr>
<td>ISyE 4106 Team 25</td>
<td>GE Gas Power GE Gas Power Part Inventory Design, R35</td>
</tr>
<tr>
<td>ISyE Senior Design Team 28</td>
<td>Carter’s Order Completion Challenge, Y24</td>
</tr>
<tr>
<td>ISyE Senior Design Team 3 NAPA Auto Parts</td>
<td>Which NAPAthway?, Y40</td>
</tr>
<tr>
<td>Line-Baulers</td>
<td>Saia-zing Up, R17</td>
</tr>
<tr>
<td>MARTA Bus Route Optimization, R12</td>
<td></td>
</tr>
<tr>
<td>OG(wreck)S</td>
<td>Office of Graduate Studies Verification Process Improvement, Y21</td>
</tr>
<tr>
<td>Put a Ring On It, B23</td>
<td></td>
</tr>
<tr>
<td>Quick Pick</td>
<td>Stitch Fix Warehousing, B6</td>
</tr>
<tr>
<td>Remediation Remediators</td>
<td>Floor &amp; Decor Remediation Process Improvements, R66</td>
</tr>
<tr>
<td>ReMOOte Prep Kitchens</td>
<td>Remote Preparation Kitchen Strategy, B4</td>
</tr>
<tr>
<td>Remediators</td>
<td></td>
</tr>
<tr>
<td>Rearouting, B18</td>
<td></td>
</tr>
<tr>
<td>Santa’s Industrial Helpers</td>
<td>Empty Stocking Fund: Warehousing and Distribution, Y27</td>
</tr>
<tr>
<td>Sattel Up</td>
<td>Stockroom Space Utilization and Picking Efficiency Improvement, R47</td>
</tr>
<tr>
<td>Slice, Slice, Babies</td>
<td>Slice Me Up Before You Go-Go, R8</td>
</tr>
</tbody>
</table>

## ARCHITECTURE

<table>
<thead>
<tr>
<th>Team Name</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ahmed &amp; Hestad</td>
<td>Uplifting Heavy Histories, B10</td>
</tr>
<tr>
<td>Andres, Chelsea, Rachel</td>
<td>New Holland brewing road trip, Y59</td>
</tr>
<tr>
<td>Cambium Team</td>
<td>Mass Timber Pavilion, Y8</td>
</tr>
<tr>
<td>Dematerializing Identity Studio</td>
<td>Constructing a Kinaes-ethics of Architectures, B8</td>
</tr>
<tr>
<td>Dematerializing Identity Studio: Melnik + White</td>
<td>Constructing a Kinaes-ethics of Architectures: Intergenerational Day Center, B26</td>
</tr>
<tr>
<td>Dematerializing Identity Studio: Movement Study</td>
<td>Constructing a Kinaes-ethics of Architecture: Choreography of space, R2</td>
</tr>
<tr>
<td>Dematerializing Identity Studio: Remembering to Care</td>
<td>Constructing a Kinaes-ethics of Architectures: Using Memory and Environments to Home the Elderly, R41</td>
</tr>
<tr>
<td>Kaila and Begum</td>
<td>The Idle and Movement Pavilion, B34</td>
</tr>
<tr>
<td>Li &amp; Waweru</td>
<td>The House of Stone and Light, R15</td>
</tr>
</tbody>
</table>

## BIOARCHITECTURE

<table>
<thead>
<tr>
<th>Team Name</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>stone and light, R15</td>
<td></td>
</tr>
<tr>
<td>Li &amp; Waweru</td>
<td>The House of Stone and Light, R15</td>
</tr>
<tr>
<td>Kaila and Begum</td>
<td>The Elderly, R41</td>
</tr>
<tr>
<td>a Kinaes-ethics of Architectures: Using Remembering to Care Dematerializing Identity Studio: Choreography of space, R2</td>
<td></td>
</tr>
<tr>
<td>Movement Study</td>
<td>Intergenerational Day Center, B26</td>
</tr>
<tr>
<td>a Kinaes-ethics of Architectures: Constructing a Kinaes-ethics of Dematerializing Identity Studio</td>
<td></td>
</tr>
<tr>
<td>Cambium Team</td>
<td>Mass Timber Pavilion, B8</td>
</tr>
<tr>
<td>Dematerializing Identity Studio: Melnik + White</td>
<td>Constructing a Kinaes-ethics of Architectures: Intergenerational Day Center, B26</td>
</tr>
<tr>
<td>Dematerializing Identity Studio: Movement Study</td>
<td>Constructing a Kinaes-ethics of Architecture: Choreography of space, R2</td>
</tr>
<tr>
<td>Dematerializing Identity Studio: Remembering to Care</td>
<td>Constructing a Kinaes-ethics of Architectures: Using Memory and Environments to Home the Elderly, R41</td>
</tr>
<tr>
<td>Kaila and Begum</td>
<td>The Idle and Movement Pavilion, B34</td>
</tr>
<tr>
<td>Li &amp; Waweru</td>
<td>The House of Stone and Light, R15</td>
</tr>
</tbody>
</table>
Thank you to all of our project sponsors and donors. A very special thank you to the College of Engineering for being the premiere sponsor of the Capstone Design Expo.

Thank you for joining us for an incredible evening of innovation at Georgia Tech!

7:00 pm
Seating in Section 104, 105, 106

MONODISCIPLINARY AWARDS distributed to the best projects of the following Schools:
- Aerospace Engineering
- Architecture
- Biomedical Engineering
- Electrical and Computer Engineering
- Industrial and Systems Engineering
- Mechanical Engineering
- Mechanical Engineering/Industrial Design
- Materials Science and Engineering
- Music Technology
- Nuclear and Radiological Engineering
- Public Policy

INTERDISCIPLINARY AWARD distributed to the best project of a team comprised of members from multiple disciplines.

OVERALL BEST PROJECT AWARD

Even-numbered tables follow the inner loop & odd-numbered tables follow the outer loop of each circular section.