**Mission**
The Enterprise Solution Center (ESC) is an innovation hub that connects small and medium manufacturing enterprises (SMMEs) to science and engineering resources at UConn and to major original equipment manufacturers (OEMs). These connections support innovation and technology infusion and create business opportunities through collaboration on new products and services. The ESC develops targeted strategies to enhance SMMEs' technology and manufacturing capabilities, leading to competitive products and services, stimulating direct job growth, and promoting economic development.

**Our Approach**
The ESC comprises three component organizations, Quiet Corner Innovation Cluster (QCIC), Proof of Concept Center (POCC) and Connecticut Manufacturing Simulation Center (CMSC), taking an integrated approach to co-development of technology products and services to support the competitiveness of SMMEs and the OEMs.

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<tr>
<th>Areas of Expertise</th>
<th>QCIC</th>
<th>POCC</th>
<th>CSMC</th>
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<tr>
<td>Business Process Optimization</td>
<td>Technology Development</td>
<td>Design, Prototyping, and Verification</td>
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<td>Technology Development</td>
<td>R&amp;D Commercialization</td>
<td>Product Development</td>
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<td>Design for Manufacturing</td>
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<td>Additive Manufacturing for Prototyping</td>
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<td>Prototyping and Proof of Concept</td>
<td>Market Research</td>
<td>Additive Manufacturing for Manufacturing</td>
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<td>Market Research</td>
<td>Rapid Prototyping</td>
<td>Laser Cutting / Abrasive Water Jetting</td>
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<td>Research and Development Evaluation</td>
<td>Materials Science</td>
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Center Characteristics

**Quiet Corner Innovation Cluster (QCIC)**
QCIC partners with SMMEs to promote business growth through innovation, enhanced R&D, and updated business capabilities. The QCIC builds the innovation capacity of SMMEs through a strategic engagement process that develops targeted growth plans and manufacturing innovation strategies to increase SMMEs' technology-based manufacturing capabilities. The QCIC leverages the Proof of Concept Center, UConn's research infrastructure, and the extensive R&D capacity of UConn's faculty to codevelop new products and services.

**Proof of Concept Center (POCC)**
The POCC offers state-of-the-art prototyping and fabrication equipment that facilitate new product development, from conceptualization and ideation to creation of fully functional prototypes for a wide range of industries. By applying the latest design strategies and manufacturing technologies, industry partners, researchers, and students are empowered to build, modify, and assemble, thereby accelerating the discovery of novel products and services.

**Connecticut Manufacturing Simulation Center (CMSC)**
CMSC provides SMMEs with affordable technical assistance for computer-based design, finite element modeling and simulation, testing, and validation that is capable of supporting new product and process development innovations and improving SME competitiveness. CMSC has capabilities in modeling a variety of manufacturing processes, including machining, forming, forging, and casting. Training for students and professionals is also available.

**Contact**

**ESC**
Hadi Bozorgmanesh, Ph.D.  
Director of ESC  
Phone: (860) 486-2605  
Email: katarzyna.terlikowski@uconn.edu

**CMSC**
Jeongho Kim, Ph.D.  
Director of CMSC  
Phone: (860) 486-2746  
Email: jeongho.kim@uconn.edu

**POCC, QCIC**
Joseph Luciani  
Director of POCC, QCIC  
Phone: (860) 486-5743  
Email: joseph.luciani@uconn.edu

**Innovation Partnership Building**
S. Pamir Alpay, Ph.D.  
Executive Director of UConn Tech Park  
Phone: (860) 486-6917  
Email: pamir.alpay@uconn.edu