# MECHANICAL ENGINEERING RESEARCH LABORATORIES 2015-2016

| LABORATORY NAME | BUILDING | ROOM | PHONE EXT. | DIRECTOR |
|---|---|---|---|---|
| Advanced Heat Exchangers Lab | Potomac Bldg | 1109 | 5-5412 | Ohadi/Shooshtari |
| Advanced Manufacturing Lab | JM Patterson | 1110 | 5-0436 | Gupta, S.K. |
| Ballard Power Systems Fuel Cell Lab | Engr Lab | 0103G | 5-7874 | Yang |
| CALCE Electronic Systems Cost Modeling Lab | Engr Lab | M0101 | 5-5338 | Sandborn |
| CALCE Environmental Conditioning & Acceleration Testing Lab | Engr Lab | 1187 | 5-5325 | McCluskey/Dasgupta |
| CALCE Failure Analysis & Materials Characterization Lab | Martin Hall | 0120 | 5-0296 | Sood/Osterman |
| CALCE Laboratory for Optomechanics and Micro/nano Semiconductor/Photonics Systems | Engr Lab | B0110 | 5-5471 | Han |
| CALCE Material Analysis Lab | Martin Hall | 0122 | 5-5316 | Sood/Pecht |
| CALCE Microanalysis and Electrical Test Lab | Martin Hall | 0128 | | Sood/Azarian |
| CALCE Permanent Interconnects & Accelerated Testing Lab | Engr Lab | 0104 | 5-5231/5-4571 | Dasgupta |
| CALCE Software Development Lab | Engr Lab | 1101 | 5-5341 | Osterman |
| CALCE Surface Analysis Lab | Martin Hall | 3123 | 5-5447 | Azarian/Morillo |
| CALCE Thermal Packaging of Electronic Systems Lab | Engr Lab | 0109A | 5-8223 | Bar-Cohen |
| CEEE Energy Lab | Engr Lab | 0139 | 5-6654 | Radermacher/Hwang |
| CEEE Heat Pump Lab | Potomac Bldg | 1100 | 5-5003 | Radermacher/Hwang |
| CEEE Modeling and Optimization Lab | Engr Lab | 3151 | 5-7314 | Radermacher/Aute |
| CEEE Small and Smart Thermal Systems Lab | Potomac Bldg | 1105/1110 | 5-5006 | Ohadi/Dessiatoun |
| CITY@UMD Cluster for Sustainability in the Building Environment Lab | Tech Ventures Bldg | 1299 | 5-6247 | Srebric |
| Combustion Lab | JM Patterson | 1123 | 5-5311 | Gupta, A |
| Computational Dynamics Lab | Engr Lab | M0102 | 5-2377 | Balachandran/Chabalko |
| Computational Sciences Lab | Martin Hall | 1145 | | Chung |
| Computational Turbulence Lab | Engr Lab | 1174 | 5-8695 | Larsson |
| Cybersecurity Quantification Lab | Engr Lab | 1176 | 5-1071 | Cukier |
| Design Assurance Techniques Lab | Engr Lab | M0113 | 5-4518 | Schmidt |
| Design Decision Support Lab | Engr Lab | 0109 | 5-5285 | Azarm |
| Dynamic Effects Lab | Engr Lab | B0110G | 5-5339 | Fourney |
| Dynamic Stability Lab | Engr Lab | 0139F | 5-5302 | Duncan |
| Dynamics and Control Lab | Martin Hall | 0107 | 5-7804 | Balachandran/Chopra |
| Functionally Graded Materials Development Lab | Martin Hall | 0126 | 5-8870 | Bruck |
| Hybrid-Systems Integration and Simulation Lab | Kim Building | 1210 | 5-3087 | Vaughn-Cooke/Droguett |
| Hydrodynamics Lab | Engr Lab | B0110N | 5-7418 | Duncan |
| Informatics for Design, Engineering, and Learning (IDEAL) Lab | Engr Lab | M0104 | | Fuge |
| Laboratory for Control and Information Systems | Martin Hall | 2107B | | Hahn |
| Laboratory for MicroTechnologies | Martin Hall | 2120/3124 | 5-7630/5-9215 | Smela |
| Machine Shop/Design ME Lab | Engr Lab | 0103 | 5-5326 | Aroom |
| Maryland MEMS and Microfluidics Lab | Martin Hall | 3126 | 5-1023 | DeVoe |
| ME Computational Classroom | Martin Hall | 3108 | 5-0244 | |
| Micro Robotics Lab | Engr Annex | 0101 | 5-6590 | Bergbreiter |
| Micro/Nanoscale Heat Transfer and Energy Conversion Lab | Chemistry | 4124 | 5-8275 | Yang |
| Multi-phase Transport Lab | Engr Lab | M100 | 5-7570 | Kiger |
| Multiscale Measurements Lab | Martin Hall | 0124 | 5-0266 | Bruck |
| Phase Change Heat Transfer Lab | Engr Lab | 0117 | 5-7098 | Kim |
| Probabilistic Physics of Failure and Fracture Lab | JM Patterson | 1217 | | Modarres |
| Product Realization and Innovation Laboratory Suite (PIRLS) | Engr Lab | 0101 | 5-8864 | Schmidt |
| Robotics, Automation, and Medical Systems (RAMS) Laboratory | Engr Lab | 1177 | 5-8892 | Desai |
| SAE Projects Lab | JM Patterson | 1229 | 5-5259 | Hamilton |
| Sensors and Actuators Lab | Martin Hall | 2132 | 5-0355 | Yu |
| Simulation-Based System Design Laboratory | Engr Annex | 0113 | 5-6572 | Herrmann/Gupta, S.K. |
| Small Systems Lab | Kim Building | 1245 | 5-3446 | Baz |
| Smart Materials & Structures Research Center (SMSRC) | Martin Hall | 2126 | 5-5307 | Baz |
| Vibrations Lab | Martin Hall | 0103 | 5-7763 | Balachandran |