

| TOPIC NR. | TOPIC NAME   | STUDENT             | FACULTY                | UNIVERSITY                        |
|-----------|--|---------------------|------------------------|-----------------------------------|
| HE-6      | Visual Display Interfaces for use with Automatic Target Recognition Algorithms             | Mary Fendley        | Dr. Sundaram Narayanan | Wright State University           |
| HE-7      | Numerical Studies on Enhanced Nonlinear Visual Target Detection System                     | Christina Schrider  | Dr. Julie Skipper      | Wright State University           |
| HE-8      | Work-Centered Software System  | James Knapp         | Dr. Soon Chung         | Wright State University           |
| HE-9      | Cognitive Modeling in Dynamic Environments   | Ron Butcher         | Dr. Sundaram Narayanan | Wright State University           |
| IF-1      | Fundamentals of Human-Centered Collaborative Decision Making and Support                   | Joshua Davis        | Dr. Raymond Hill       | Wright State University           |
| IF-3      | A Morphable Nanoprocessor-Based Computing Architecture                                     | Justin Teller       | Dr. Fusun Ozguner      | The Ohio State University         |
| ML-12     | Multifunctional Aircraft Coating Systems   | Bill Riehl          | Dr. Jay Johnson        | University of Dayton              |
| ML-15     | Photonic Materials Engineering   | Brad Birchfield     | Dr. Joseph Haus        | University of Dayton              |
| ML-16     | Chemical and Oxidative Aging of High Temperature Polymer Matrix Composites                 | Susanna Branion     | Dr. Paul Murray        | University of Dayton              |
| ML-6      | Copolymers with Defined Morphologies via Kinetically Controlled Polycondensation Reactions | Laura Sennet        | Dr. Eric Fossum        | Wright State University           |
| PR-8      | Detonation Initiation in a Pulsed Detonation Engine  | Jennifer Corrigan   | Dr. Sheng-Tao Yu       | The Ohio State University         |
| PR-12     | Multiple Mode Excitation of an Integrally Bladed Disk                                      | Nicholas Garafolo   | Dr. Scott Sawyer       | University of Akron               |
| PR-8      | Pulse Detonation Propulsion Research   | Aaron Glaser        | Dr. Ephraim Gutmark    | University of Cincinnati          |
| PR-9      | Coolant Flow   | Jeffrey Litzler     | Dr. Urmila Ghia        | University of Cincinnati          |
| SN-5      | Intelligent Sensing and Control for Autonomous Vehicles                                    | Jason Smith         | Dr. Y.T. Jade Morton   | Miami University                  |
| SN-4      | Sparse Aperture Scene Reconstruction and Visualization                                     | Julie Jackson       | Dr. Randolph Moses     | The Ohio State University         |
| SN-7      | Biologically Inspired Autonomous Vehicle   | Kevin Cousin        | Dr. Gilbert Peterson   | Air Force Institute of Technology |
| SN-7      | Biologically Motivated Autonomous Navigation and Cooperative Control                       | Alexander Boxerbaum | Dr. Roger Quinn        | Case Western Reserve University   |
| SN-10     | Navigation Using Active Optical Tracking of Objects at Unknown Locations                   | Dustin Bates        | Dr. Frank van Graas    | Ohio University                   |
| VA-2      | Flight Control of Hypersonic Scramjet Vehicles using a Differential Algebraic Approach     | Tony Adami          | Dr. Jianchao Zhu       | Ohio University                   |
| VA-4      | Spectroscopic Measurement of Plasma Parameters for MHD Control of Plasma Flows             | Scott Stanfield     | Dr. James Menart       | Wright State University           |
| VA-7      | Flow Control Design via Reduced-Order CFD  | Jesse Little        | Dr. Mo Samimy          | The Ohio State University         |
| VA-9      | Modeling of Flow Control Devices for System Analysis and Design                            | Terry Daviaux       | Dr. Paul Orkwis        | University of Cincinnati          |