



KEY R&D PERSONNEL

| Personnel | Expertise |
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| Aldag, Thomas Director of Research & Development (316) 978-5326 thomas.aldag@wichita.edu | New materials and fabrication methods, linking research and development to government and industry needs |
| Boldsai Khan, Enkhsai Khan (EK) (Ph.D.) Research Engineer, Advanced Joining Lab (316) 978-5205 eboldsai Khan@niar.wichita.edu | Friction Stir Welding/Processing, Signal Processing, Nondestructive Evaluation, Control Systems. |
| Braden, Larry Manager, Full-Scale Structural Testing Lab (316) 978-8222 larry.braden@wichita.edu | Full-scale and component D&DT and static testing; instrumentation and systems |
| Brown, Brian Associate Director, CAD/CAM Lab (316) 978-3246 brian.brown@wichita.edu | CAD/CAM, CATIA course instruction and curriculum development |
| Brown, Jeremy Research Engineer, Advanced Joining Lab (316) 978-7272 jbrown@niar.wichita.edu | Friction stir welding/processing, friction stir spot welding and tool fixturing/design |
| Burford, Dwight A. (Ph.D.) Director, Advanced Joining Lab (316) 978-3204 dwight.burford@wichita.edu | Friction stir welding/processing, metallurgical engineering and failure analysis |
| Chan, Kah-Loon Manager, Research & Qualification, Mechanical Test Lab (316) 978-2233 kah-loon@niar.wichita.edu | Static and fatigue testing for composites and metals |
| Clarkson, Beth (Ph.D.) Research Engineer/Statistician, NCAMP (316) 978-3952 beth.clarkson@wichita.edu | Statistical analysis, computation of engineering basis values, statistical process control |
| Crockett Bonitati, Allison Research Engineer, Composites Lab (316) 978-5461 allison.bonitati@wichita.edu | Project coordination, qualification of composite material systems |
| Ehrstein, Shawn Director, CAD/CAM Lab (316) 978-5839 shawn@cadcamlab.org | PLM curriculum design and research |
| Gadberry, Chad Manager, Crash Dynamics Lab (316) 978-5239 chad.gadberry@wichita.edu | Research, testing and certification for transportation seats and restraint systems under dynamic impact conditions |

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| Hansen, Don Manager, Metrology Lab (316) 978-8240 don.hansen@wichita.edu | Calibration of test & measurement equipment, traceable to NIST |
| Horn, Walter Julian (Ph.D.) Professor, Aerospace Engineering (316) 978-5919 Walter.horn@wichita.edu | Applied Mechanics, Advanced Composite Materials, Smart Materials, Aircraft Structural Analysis |
| Hickey, Timothy Director, Full-Scale Structural Testing Laboratory (316) 978-8204 thickey@niar.wichita.edu | Full-scale and Component DDT and Static Testing, Experimental Structural Modifications |
| Hunt, Brandon Director, Advanced Coatings Lab (316) 677-1334 brandon.hunt@niar.wichita.edu | Research and development of high performance coatings for aerospace, automotive, and general industrial applications |
| Irani, Eddie (Ph.D.) Research Scientist, Walter H. Beech Wind Tunnel (316) 978-3569 eddie.irani@wichita.edu | Experimental aerodynamics |
| Kostogorova-Beller, Yulia (Ph.D.) Research Scientist, Composites Lab (316) 978-5378 yulia@niar.wichita.edu | Lightning strike protection, electromagnetic shielding, nanomaterials |
| Laffen, John W. Director, Walter H. Beech Wind Tunnel, Crash Dynamics Lab and Environmental Test Labs (316) 978-5481 john.laffen@wichita.edu | Experimental aerodynamics |
| Laubach-Hock, Melinda M. Manager, Aging Aircraft Research Lab (316) 978-5209 melinda@niar.wichita.edu | Solid mechanics, damage tolerance and aircraft structures |
| Lee, Walter Director of Quality & Performance, Manager, Calibration & Quality Lab (316) 978-6139 walter.lee@wichita.edu | Electronics, Avionics |
| Lovingfoss, Royal Research Engineer, Composites Lab (316) 978-5317 royal.lovingfoss@wichita.edu | Project management, composite material systems |
| Mah, Shin Manager, R&D Testing, Mechanical Test Lab (316) 978-5232 shin-liang.mah@wichita.edu | Static and fatigue testing for composites and metals |
| Miller, L. Scott (Ph.D.) Professor & Chair, Aerospace Engineering (316) 978-6334 scott.miller@wichita.edu | Experimental aerodynamics, airfoil design, rotor aerodynamics |
| Minaie, Bob (Ph.D.) Associate Professor, Mechanical Engineering (316) 978-5613 bob.minaie@wichita.edu | Advanced polymer composites, nanocomposites, functionally-graded hybrid composites, metallic materials |

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| Ng, Yeow Associate Director, National Center for Advanced Materials Performance (NCAMP) (316) 978-5212 yeow.ng@wichita.edu | Materials and processes, qualification and allowables of composite and other advanced material systems |
| Olivares, Gerardo (Ph.D.) Research Scientist, Crashworthiness (316) 978-7273 gerardo.olivares@wichita.edu | Structural crashworthiness, occupant injury biomechanics, automotive and aerospace safety systems development, mechanical systems design and analysis |
| Porter, Arthur C. Manager, Research Machine Shop (316) 978-3656 arthur.porter@wichita.edu | Design, fabrication and maintenance of the mechanical hardware used for research projects |
| Raju, K. Suresh Assistant Professor, Aerospace Engineering (316) 978-5939 raju@niar.wichita.edu | Solid mechanics, composites, damage tolerance |
| Robles, Errick Manager, ITAR & Export-Controlled Testing, Mechanical Test Lab (316) 978-6717 errick.robles@wichita.edu | Composites research and development testing and photogrammetry analysis using the ARAMIS full-field strain system |
| Salah, Lamia Program Manager, Mechanical Test Lab Senior Research Engineer, Composites Lab (316) 978-5775 lamia.salah@wichita.edu | Composites and fatigue and fracture research |
| Saunders, John Research Engineer & Nondestructive Testing Instructor (316) 677-1410 (NCAT) jsaunders@niar.wichita.edu | General Nondestructive Testing theory, training, and testing; Certification programs and processes; NDT specifications and procedures; Probability of detection studies; NDT programs quality control and assessments. |
| Seneviratne, Waruna (Ph.D.) Senior Research Engineer, Mechanical Test Laboratory (316) 978-5221 waruna@niar.wichita.edu | Structural and solid mechanics with emphasis on experimental work on durability and damage tolerance testing and analysis protocols for full-scale composite airframe structures. |
| Shiple, Nathan Assistant Director, CAD/CAM Lab (316) 978-7260 nathan@cadcamlab.org | CATIA structural stress analysis |
| Toledo, Fernando F. Manager, Virtual Reality Center (316) 978-8333 fernando.toledo@wichita.edu | Virtual reality, real-time visualization and simulation of CAD/CAID/CAE/CAM databases |
| Tomblin, John S. (Ph.D.) Executive Director; Director, Composites Lab; Director, Mechanical Test Lab (316) 978-5234 john.tomblin@wichita.edu | Material qualification, advanced material insertion, composites and advanced materials research |
| Yang, Charles (Ph.D.) Associate Professor, Aerospace Engineering (316) 978-6312 charles.yang@wichita.edu | Mechanics of composite materials, finite element analysis |
| | ASTM static and fatigue testing, qualification of composite material systems, project coordination |

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| Yeoh, Jason Manager, ASTM Standard Testing, Mechanical Test Lab (316) 978-6864 jason.yeoh@wichita.edu | |
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