The WPI Research Enterprise

Orientation and Reception
Intellectual Property and Innovation

- Todd Keiller
  Director
  Email: tkeiller@wpi.edu
  Phone: 508-831-4907

- Lynda Kelly
  Assistant Director
  Email: lkelley@wpi.edu
  Phone: 508-831-6788

- ipi@wpi.edu
Initial Disclosure to Intellectual Property and Innovation
Tech Advisors Network Evaluate and Provide Feedback
Develop Market Insight
Mentoring
WPI Accelerator Fund Contests/Partners
Licensing
Angel/Venture Investment
Company Startup
Funding
Business Plans
Market Strategies
Potential Partners
Multidisciplinary Research
Research Solutions Institute (RSI)

RSI helps faculty researchers find research funding, prepare well for strategic research opportunities, and develop winning proposals

- Strategic brainstorming
- White paper development
- Proposal development
- Proposal review
- Strategic opportunity targeting
- Training
- Value Creation pitch coaching
- Research Opportunity Bulletin

Michael Wright
Research Opportunity Development Lead

Ellen Grant Piccioli
Director of Manufacturing Innovation

Martin Wimbush
Grants Specialist: Learning Sciences & Technology

Tom Sensale
Administrative Assistant

Location: 85 Prescott Street, 4th Floor (Room 404)
Web: www.wpi.edu/+rsi
Email: rsi@wpi.edu
Phone: (508) 831-6199
Manufacturing Innovation Institutes (MII)

Manufacturing USA
Partnerships between industry, academia, and government that leverage existing resources and collaborate, co-invest to nurture manufacturing innovation and to accelerate commercialization.

- Facilities
  - Research facilities
  - Testing and prototyping facilities
  - “Teaching factories”
- Funding mechanism: federal support (> $70M) and matching from states, corporations and universities
- Build an ecosystem to drive economic growth – Applied Research
- Longer-term goal of 21st Century Manufacturing Hub at WPI
- 2018: Developing an Integrated Photonics Facility (shared space with PracticePoint)

WPI is currently a member of eight Institutes:
- Lightweight and modern metals manufacturing (LIFT)
- Photonics Manufacturing (AIM Photonics)
- Clean Energy Smart Manufacturing (CESMII)
- Modular Process Intensification (RAPID)
- Biopharma Manufacturing (NIIMBL)
- Regenerative Manufacturing (ARMI - BioFabUSA)
- Sustainable Manufacturing (REMADE)
- Robotics Manufacturing (ARM)
OSP—We are here to help!

We partner with WPI's faculty and staff throughout the life cycle of a sponsored research project:

- We assist in proposal development and review and submit funding applications
- We negotiate and accept awards and issue subawards
- We provide guidance throughout the award
- We interpret applicable regulatory requirements to ensure that research conducted is in compliance.
OSP—Meet your Team

Antje Harnisch
Director

Orla Baxter
Associate Director, Pre-Award

Gabe Johnson
Associate Director, Post-Award and Compliance

Tammy Ducharme
Senior Asst. Director, Pre-Award

Lisa Masciarelli
Assistant Director, Pre-Award

Michelle Mulkern
Pre-Award Specialist

Chelsea D’Urso
Subawards and Compliance Specialist

Kristin Keane
Research Systems Specialist
Sponsored Programs Accounting
Financial Management

- Notice of Award
  - Banner Set up
  - Approved budget
  - Period of performance
  - Important Links

- Monitoring
  - Balance, burn rate
  - Transaction list

- Expenditure review
- Invoicing
- Financial reports
- Budget projections
- Audits
- Effort Reporting
- Financial closeout
The Rules

Rules of the Road

WPI Policy
Public Law

Award
Program
Sponsor Regulations
Federal Regulations
We are here to help you!

KEEP CALM AND DO RESEARCH
# Institutional Review Board

<table>
<thead>
<tr>
<th>Name</th>
<th>Department/Division</th>
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</thead>
<tbody>
<tr>
<td>Kent Rissmiller, Chair</td>
<td>Dean Ad Interim Interdisciplinary and Global Studies Division</td>
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<tr>
<td>Ruth McKeogh, Secretary</td>
<td>Interdisciplinary and Global Studies Division</td>
</tr>
<tr>
<td>Scott Jiusto</td>
<td>Interdisciplinary and Global Studies Division</td>
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<tr>
<td>Dan Dougherty</td>
<td>Computer Science</td>
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<tr>
<td>Bethel Eddy</td>
<td>Humanities and Arts</td>
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<td>Gabriel Johnson, Administrator</td>
<td>Sponsored Programs</td>
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<tr>
<td>Samuel Politz</td>
<td>Biology and Biotechnology</td>
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<tr>
<td>Bogdan Vernescu</td>
<td>VP Research</td>
</tr>
<tr>
<td>Chelsea D’Urso</td>
<td>Sponsored Programs</td>
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</tbody>
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# Conflict Management Committee

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
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<tbody>
<tr>
<td>Glenn Gaudette – chair (COG appointee)</td>
<td>Biomedical Engineering</td>
</tr>
<tr>
<td>Michael Demetriou (CGSR appointee)</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>Karen Troy (CGSR appointee)</td>
<td>Biomedical Engineering</td>
</tr>
<tr>
<td>David Adams (alternate)</td>
<td>Biology and Biotechnology</td>
</tr>
<tr>
<td>Bogdan Vernescu</td>
<td>Vice Provost for Research</td>
</tr>
<tr>
<td>Jon Bartelson</td>
<td>Chief Compliance Officer</td>
</tr>
<tr>
<td>Gabe Johnson</td>
<td>Office of Sponsored Programs</td>
</tr>
<tr>
<td>Antje Harnisch</td>
<td>Office of Sponsored Programs</td>
</tr>
</tbody>
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Institutional Animal Care & Use

• Sakthikumar Ambady, PhD (Chairperson)
  508-831-5714
  sambady@wpi.edu

• Virender K. Chandna, BVSc & AH, N.D.E.H.M.S.
  (Veterinarian)
  vchandna@wpi.edu

• Elizabeth Diers, CPIA (IACUC Coordinator)
  508 831-6800
  ediers@wpi.edu
Private Funding for Your Success

- Foundation and corporate giving to support faculty research
- Centralized records related to past giving to WPI
- Quarterly Foundation Funding Opportunity Announcements
- Gifts-in-kind

Lynn Lancaster
Associate Director
lmlancaster@wpi.edu; x4853

Wendy King
Grant Specialist
wking@wpi.edu; 5209

wpi.edu/+privatefunding
WPI Library Funding Resource Guide

- [http://libguides.wpi.edu/fundingopportunities](http://libguides.wpi.edu/fundingopportunities)
- 3 funding resources
  - **Pivot**: for finding upcoming grant opportunities
  - **Foundation Directory Online**: for finding grantmakers in your area of study
  - **Grant Advisor Plus**: for multidisciplinary funding updates via newsletter
Pivot

- Sign up for a free Pivot account with your WPI login
- Put funding opportunities in ‘tracked’ and ‘active’
- Pivot will use ‘advisor’ to track funding opportunities relevant to the profile you build
Academic & Research Computing

Sia Najafi
Executive Director
snajafi@wpi.edu

Spencer Pruitt, PhD
Computational Scientist
srpruitt@wpi.edu

Adriana Hera, PhD
Senior Application Scientist
ahera@wpi.edu

Erica Stults, PhD
Application Scientist
estults@wpi.edu

Ermal Toto
Research Data Scientist
toto@wpi.edu

James Kingsley
Scientific Computing Systems Specialist
jkingsley@wpi.edu

Ed Burnham
Systems & Instrumentation Administrator
eburnham@wpi.edu
Academic & Research Computing

- High Performance Enterprise Level Multi-tiered Storage Array
- High Performance Computing Systems
- System Administration & Instrumentation Support
- Scientific Code Development
- Research Data Management Planning
- Research Website Hosting
- Scientific and Engineering Software Application (SESA) Support
- Virtual Machines
- Rapid Prototyping Support
Data Management Solutions

Tier 3
- Intensive computations
- Large Datasets
- Temporary
- No Backup

Tier 2
- Changing Datasets
- Daily Backups
- Up to 10TB

Tier 1
- Final Research Products
- Up to 2TB
- Hourly Snapshots
- Backups
Administration of Faculty Hardware

- Faculty-owned workstations and high performance resources
- Purpose-built hardware
- Custom operating system and software configurations
- Specialized network setups
Faculty-owned instruments

- Instruments often have integrated or attached PCs
- Instruments often require special driver and analysis software
- Some instruments produce large quantities of data requiring a staging area
- Sensitive instruments can be firewalled for protection
Procurement

• Michael Brunelle
  Procurement Systems Manager
  Procurement
  Email: mbrunelle@wpi.edu
  Phone: 508-831-6568
Procurement Services

• Procurement Services provides oversight and guidance for the purchase of goods and services at WPI. We also manage the process for leasing of vehicles, printers, and copiers. Within Workday, is our WPI eProcurement system and marketplace which showcases preferred vendors.

• Property Management has responsibility for the identification, tracking, and tagging of the physical assets of the university. We conduct required inventories of assets and furnish reports on the status of fixed assets to auditors and funding agencies.
STEM Education Center

- Collaborator on STEM Education Research (especially if involves PK-12 educators)
- Partner on “Broader Impacts” section of NSF grants (and can provide letter of support)

- **Kathy Chen**
  Executive Director, STEM Education Center, SL 233
  kcchen@wpi.edu, 508-831-5801

- **Shari Weaver**
  K-12 Outreach and Teacher Prep, STEM Education Center
  sweaver@wpi.edu, 508-831-4888