

*Exceptional service in the national interest*



# Partnerships and Available IP at Sandia National Laboratories

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Industry Partnerships



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# Overview

- Industry Partnerships Mission
- Industry Partnerships Team
- Success Stories
- Breakthrough Technologies
- Accessing Intellectual Property
- Strategic Partnerships
- New Developments

# Industry Partnerships Mission



*“Our partnerships with industry, academia, and other organizations enable Sandia to share technology for the U.S. public good. While these relationships benefit our partners, they also allow us to deliver on our national security missions and advance the frontiers of science and engineering.”*

Dr. J. Stephen Rottler  
Vice President, Science and Technology  
Chief Technology Officer  
Sandia National Laboratories

# Industry Partnerships Team



Pete Atherton  
Industry Partnerships



Mark Allen  
IP and Licensing



Matt Riley  
Partnership Agreements



Mary Monson  
Business Development

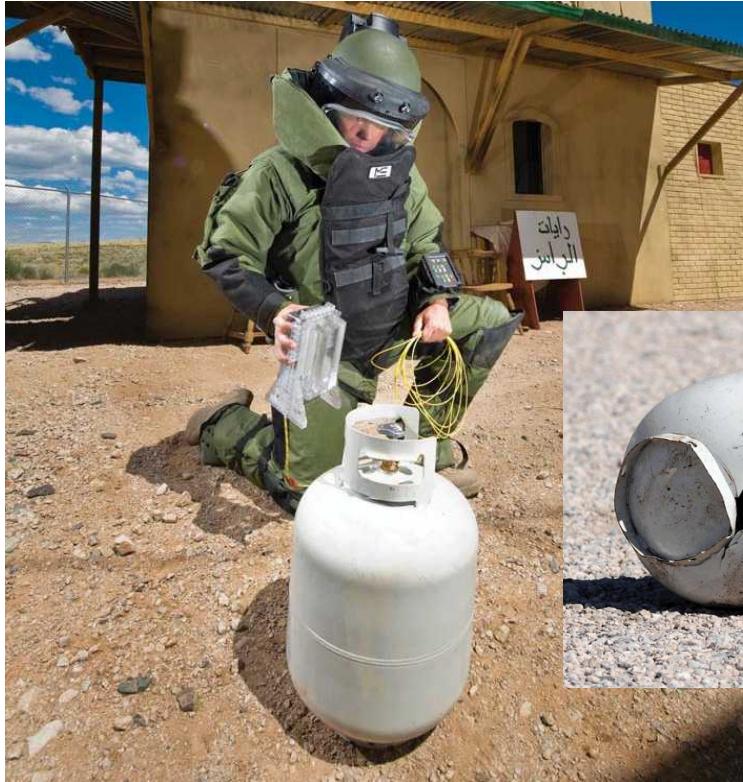


Kerry Kampschmidt  
Legal Tech Transfer



Jackie Kerby Moore  
Economic Development

# Success Stories: Team Technologies



- Technology
  - Water-Based Explosives Disruptor (aka Stingray)
- Impact
  - Over 8000 sold
  - Deployed to warfighters and first responders
  - Saving lives in war zones
- Mechanism
  - License, SS&TP

# Success Stories: EFT Holdings



## ■ Technology

- Decontamination foam

## ■ Impact

- Renders chemical and biological agents harmless
- Used to decontaminate risk areas during anthrax attacks
- Meth lab cleanup
- Mold and pesticide removal

## ■ Mechanism

- License, CRADA

# Success Stories: AMO Wavefront Sciences



## ■ Technology

- Wavefront sensor and binary optics

## ■ Impact

- More than 800 sold to ophthalmologists worldwide
- Estimated 1 million people have improved eyesight as a result of the technology

## ■ Mechanism

- License, ESTT, and TVC Partnership

# Success Stories: Black-I Robotics

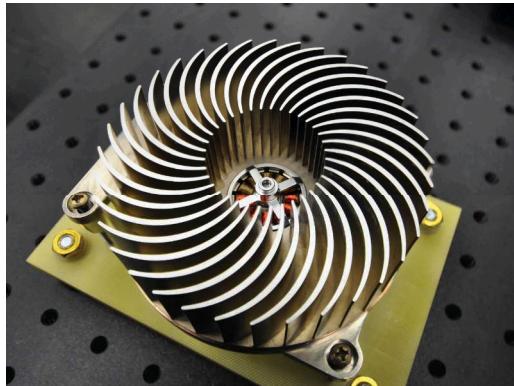


- Technology
  - Unmanned ground vehicle
  - Dual track chassis design to travel over obstacles
  - Outfitted with cameras, microphones, and sensors
- Impact
  - Can help save lives in mine disasters
- Mechanism
  - License

# Other Success Stories

- 11:00 Panel – Successful IP Deployment
  - UOP, A Honeywell Company
  - Lotus Leaf Coatings
  - Drilling Telemetry Systems
- 1:00 Panel – Successful Economic Development Programs
  - EMCORE Corporation
  - Mazda Computing
  - Tom Anderson (formerly NOVINT)
  - SAVSU Technologies

# Breakthrough Technologies



Sandia Cooler

SpinDX



Solar Glitter



# Licensing Opportunity: Sandia Cooler

- Technology
  - Air Bearing Heat Exchanger
  - R&D 100 Award Winner
- Opportunity
  - Dramatic increase in cooling performance
  - Simple, rugged, and cost-competitive design



# Licensing Opportunity: SpinDX

- Technology
  - “Lab on a disk”
  - Centrifugal force with a high speed camera
- Opportunity
  - Rapid diagnostic system that can analyze blood samples in just 15 minutes
  - Clinicians can detect heart attacks, strokes, infections, cancers and other afflictions



# Licensing Opportunity: Solar Glitter



- Technology
  - Combines mature microsystem production with groundbreaking advances in photovoltaic cell design
  - R&D 100 Award
- Opportunity
  - Revolutionize solar energy collection
  - Clean electricity that is safe, reliable, durable , and cheaper than other forms of energy

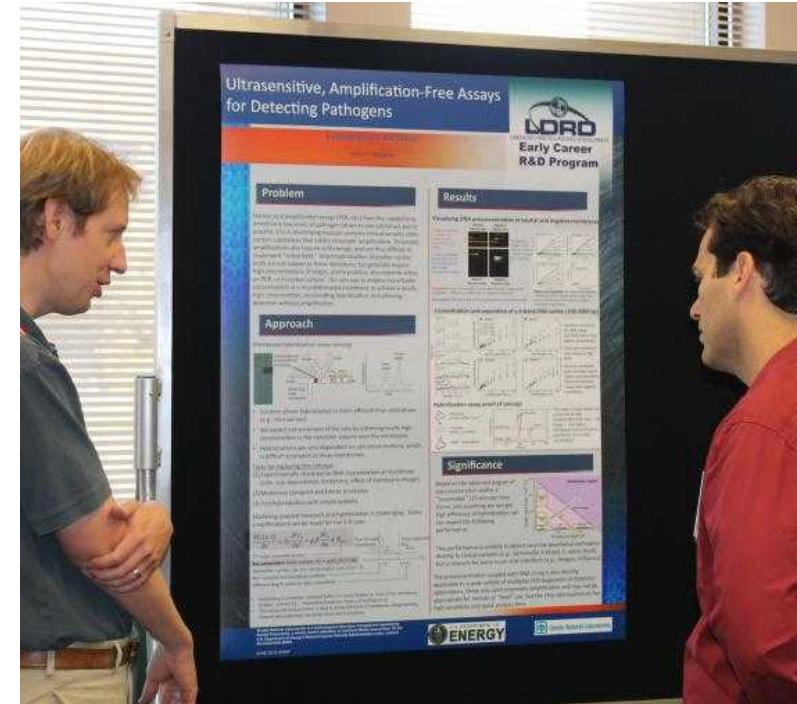
# Accessing Intellectual Property

## Today

- Panels, posters, and booths

## Any time

- Website: <https://ip.sandia.gov/>
- Email: [ip@sandia.gov](mailto:ip@sandia.gov)
- Phone: 505.284.2001



# Sign a License Option Agreement Today



- We have multiple technologies available
  - Jess® (Java Expert System Shell)
  - Acoustic cell lysing for DNA extraction
  - Water treatment – Hedgehog
  - Nanoelectrode arrays for water analysis
- To sign a license or discuss other licensing opportunities, please visit the IP & Licensing Booth



Bianca Thayer  
IP Licensing Executive

# Additional IP Mechanisms

- **DOE SBIR/STTR Tech Transfer Initiative**
  - Makes lab technology available to SBIR topic managers and utilizes existing SBIR/STTR programs to fund small businesses proposing innovative applications of available technologies.
- **Startup America**
  - A White House initiative to support and encourage entrepreneurship throughout the nation.
- **Energy Innovation Portal**
  - DOE website that provides access to patents and published patent applications for the 17 DOE labs. Provides showcase descriptions of over 600 technologies available for licensing.

# Strategic Partnerships



## ■ STC.UNM

- 100+ inventions (patents, patent applications)
- 60+ commercialization agreements
- Example - Lotus Leaf Coatings (11am Panel)



## ■ TVC

- Re-energizing our collaboration to get more licenses signed, technologies commercialized, and businesses started.



# Center for Collaboration and Commercialization (C3)



- New facility proposed for SS&TP
- Bring companies and organizations together to increase collaboration and commercialize more technologies
  - Incubator space
  - Proof of concept program
  - IP library

# Thank You!

- Enjoy the posters and sessions later today.
- We look forward to meeting you.

