



NEMS
Works, LLC.

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NEMS/MEMS Works, LLC
And
NewCo, LLC
Columbia, Missouri

Mission and Company Profile

- NEMS/MEMS Works LLC. (NEMS) was created to develop and commercialize the manufacture of several nanomaterials, several nanoproceses and microdevices using the concepts of nanotechnology and micro-machining.
- NEMS is moving forward with a lean business model that leverages existing manufacturing infrastructure and channels to market in order to deliver product in a timely and cost effective manner. Use of existing capabilities within the University will limit the capital investment needed prior to revenue generation while accelerating the time to market.
- A NewCo will spin out soon.



The Team



NEMS/MEMS WORKS LLC and NewCo LLC.

Mr. Gregg Scheller, Chairman, Board of Directors

Dr. Shubhra Gangopadhyay, La Pierre Chair Professor

Mr. Steven Apperson, Vice President, Research & Development

Dr. Keshab Gangopadhyay, President and CEO

and **twenty team members**

University of Missouri Support Centers

Wayne McDaniel, Technology Management & Industry Relations

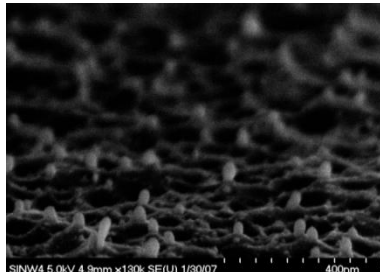
Jim Gann, University Center for Innovation & Entrepreneurship

Paul Rehrig, University Center for Innovation & Entrepreneurship

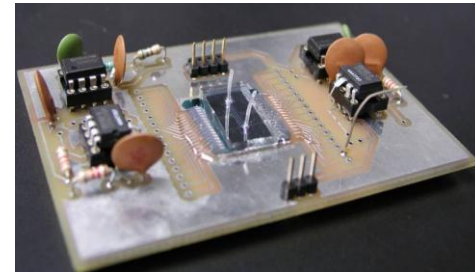
Nanoenergetics



Nanoelectronics



Nano-biosensors Lab-on-chip





Incorporation of Companies



- **NEMS/MEMS Works, LLC. (Midway NanoCenter)**

Nanoenergetic materials (Nanoscale oxides, fuels, composites and applications) Funding source: DOD SBIR, Possible Phase III
- **NEWCO, LLC. (Incubator, University Facility)**

SICON nanocoating project (surgical tool coating, dental bracket coating, hard antifog coating)
Organosilicate NanoParticles and microdevices thereof project (biomedical imaging, sensor applications, CBRN detection)
Micro Transfactor system project (gene and drug delivery)
(Lean business model operating at COE facility initially)



Intellectual Property



- Owned by the University of Missouri
- Five pending patents selected by our team
- Exclusive License to Nems/ MemS and NewCo
Patent cost (~\$100,000 ++ including PCT)
Attorney fee
- Licensing agreement finalized



Business Model and Investment strategy



- Unique concept of sharing ownership with motivated students
- Nanomaterials at Midway NanoCenter
- Micro Transfactor Prototype advancement using COE facility
- OSNP production using COE facility
- SICON nanocoating using COE facility
- Seeking investments of \$2M (2009/2010)
- Establishing distributions centers in Germany and India by 2010
- Sublicensing of technologies
- ROI—appropriate level of equity