



August 27 - 31, 2006
St. Petersburg, Florida, USA
www.mancef-coms2006.org
Uniting the International
Micro-Nano Marketplace!



Micro and Nanotechnology
 Commercialization
 Education Foundation ®

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Welcome

Welcome to the 4th edition of the e-newsletter for [COMS 2006](#), the 11th annual conference on Commercialization of Micro and Nano Systems, to be held in beautiful St. Petersburg, FL, USA, August 27th - 31st, 2006. The conference date is drawing close, and we have a few deadlines to remind you of. Check your latest edition of the newsletter or click on www.mancef-coms2006.org for the latest updates on speakers, sponsors, and events.

Take Advantage of On-Line Registration:

Register now through our on-line registration service and take advantage of the ease of our simple process. You can pre-register for the conference, workshops, social events, companion program, and pre-purchase the International Micro-Nano Roadmap at member rates. Your conference materials and badge will be waiting for you at the registration desk with no-line ups or waiting. On-line registration is available at www.mancef-coms2006.org

On-line registration deadline: August 11, 2006

You can also pre-book your room at the Renaissance Vinoy by following the link from the registration page to take advantage of discounted conference rates.

Vinoy special conference rate booking deadline: August 7, 2006

Important Deadlines:

Coventor MEMS Design Scholarship Awards Submission: August 1, 2006

Student Poster session Award abstract submission: August 11, 2006

More details on these competitions are available on the conference web site or by contacting info@mancef-coms2006.org

COMS Announces World Class Speaker Lineup

This year COMS promises the most comprehensive lineup of speakers yet. The status of Micro Nano commercialization from every region of the international community will be delivered with not only summaries of current activities, but also an eye opening reflection of Market Analysis of the last 10 years presented by Dr Eric Mounier of Yole Developpment. Leading users of MNT Raytheon, Analog Devices, Bosch, and others will not only be presenting on their cutting edge work, there will be ample networking opportunities.

Leading suppliers of small tech devices and products will be well represented by companies such as Micralyne (winner of the Best Paper on Infrastructure and Development at COMS2005), X-Com Wireless (winner of the Best Paper on Commercialization of MNT), Microbridge, Sweden's leading research institution IMEGO, and MESA+.

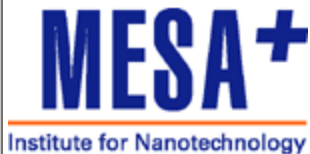
Of course there are many more leading users, suppliers, equipment vendors, and educators that will help make this year's program the best yet. Please check our web site for a full program schedule.

COMS Award Dinner aboard the [The Yacht StarShip!](#)

This year's annual awards banquet is going to be an evening to remember! We will take to the sea aboard the The Yacht Starship, America's First 3 Diamond Rated Dining Yacht by AAA; with its classic views and four-star cuisine. A cocktail reception will be followed by the annual MANCEF/COMS Awards Presentation and a sit down dinner. The evening will end with a cocktail reception on the upper deck of the Yacht Starship as we enjoy a leisurely cruise through Tampa Bay. Join us Wednesday August 30, 2006 for an excellent networking opportunity, as well as world class dining and entertainment. This unforgettable dinner is included in the cost of registration.



Gold:



Oerlikon Facility Tour

Don't miss a very special evening provided by Oerlikon (formerly Unaxis) on Monday the 29th. We are pleased to present "A Taste of the Tropics" a catered smorgasbord dinner, including live entertainment, a tour of the Oerlikon Class 100 Clean Room. Oerlikon have pulled out all the stops to make this an event to remember! There is no charge for the evening, but registration is required. Oerlikon are also providing complimentary transportation to and from the Renaissance Vinoy.

COMS2006 Student Poster Competition

Submissions are still being accepted for the COMS2006 Student Poster Competition. The student poster competition will be held on Wednesday August 30th, from 3:00 – 5:00 p.m. A panel of distinguished judges will view the posters and discuss the material with the student presenters. The poster session will coincide with the Vendor Showcase and Community Event to be held in the COMS exhibition hall. Students will also have the opportunity to tour the exhibits and meet with the leaders in the international micro nano community. **There is no charge to enter the competition and attend the poster session.** If students wish to attend the conference outside of the poster session, a discounted rate of \$495.00 is available.

The posters will be judged on their content related to the commercialization of MEMS/MST and nanotechnology. The best two posters will receive cash awards as prizes and may be selected for publication in industry journals. For more information or to submit abstracts, please contact Dr. Shekhar Bhansali at bhansali@eng.usf.edu

Coventor's MEMS Design Scholarship Awards Available

Industry standard MEMS software provider, [Coventor Inc.](http://www.coventor.com), along with the Micro and Nanotechnology Commercialization Education Foundation [MANCEF](http://www.mancef.org), will again award "MEMS design scholarships" to students and their professors during the COMS2006 conference. Students are not required to be present at COMS2006 to be eligible to receive the award. The scholarships are granted based on proposals submitted by students working in micro systems research around the world. Each student will receive a free 1-year license to Coventor's CoventorWare software tools; to be used in the University setting. MANCEF holds a high standard in accepting proposals for these scholarships. Winners are picked based on the quality of the proposal and must comply with Coventor's high-quality standards in the use of its products.

In previous years this scholarship reward program has received many outstanding proposals, and on average 3 proposals are rewarded each year. There is no limit to the research topics but a strong relation to commercially viable designs and solutions in the MEMS area is preferred. Proposals can be submitted until **1 August 2006**. The winners will be notified at COMS2006. To have your proposal considered for this award, please email your abstract to scholarship@mancef-coms2006.org

Tuesday August 29 Social Program Options

1. **Golf Tournament – Sponsored by [MEMSCAP Inc.](http://www.memscap.com)** A staple of each COMS conference is our golf tournament. This year it will be played on the Renaissance Vinoy's own golf course. Established in 1925, the 18-hole championship golf course designed by Ron Garl will be enjoyed by both novice and experienced golfers. Bring your clubs and shoes or borrow them from the golf course (call 1.727.896.8000 or email tanja.merrell@renaissancehotels.com to reserve in advance). Those bringing their own clubs/shoes can check them with the concierge, who will store them before and after the golf tournament and clean them free of charge. Transportation will be provided to the golf course, starting at 12:45 p.m. Cost for the golf tournament is \$75/person.
2. **Sport Fishing**
Sport Fishing – Join us for an afternoon of sport fishing on the beautiful (and air-conditioned) [Emerald Spirit](http://www.emeraldspirit.com) off the coast of Florida. Even if you've never tried this sport before, both women and men will find the afternoon fun and exhilarating – and there will be plenty of help to ensure many "big fish stories." Participation for this event is capped at 35 people, and the cost per person is \$85. Buses will pick up at the Renaissance Vinoy at 12:45 p.m. and will return at 6:30 p.m.
3. **[Busch Gardens Adventure Park](http://www.buschgardens.com/buschgardens/fla/)**
(<http://www.buschgardens.com/buschgardens/fla/>) Located in Tampa, Busch Gardens is the closest theme park to St.Petersburg. Some say it is the best of the theme parks in Florida, done in an African theme, with many exciting rides it is widely known for its fun and scary roller coasters), beautiful gardens and the ability to easily see African animals and birds in a natural environment. Tickets for adults are \$75. Buses will pick up at the Renaissance Vinoy at 12:45 p.m. and will return to the hotel at 6:30 p.m.
4. **St. Petersburg Beach/Shell Key Tour**
Spend an afternoon at the beach! Buses will leave for St. Pete Beach at Pass-a-Grille early Tuesday afternoon. This beach is part of a beautiful, four-

**Bronze:**

St. Petersburg College
<http://www.spjc.edu/>

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mile-long white sandy beach, bounded by interesting restaurants, quaint shops and city parks. This trip also offers a ferry ride to a barrier island, Shell Key. This is one of the few undeveloped barrier islands left in the Gulf of Mexico, and as a result, has one of the densest nesting shorebird populations in the United States. Tours will be given of Shell Key. Cost per person is \$50. Buses will pick up at the Renaissance Vinoy at 12:45p.m. and return to the hotel at 5:30 p.m.

Delegates and companions can register for one of the following optional Tuesday social events (extra costs apply) at <http://www.mancef-coms2006.org/>

Companion Program Companion program registration includes attendance to the Sunday Welcome Reception and the Wednesday Awards Dinner. Companions are also welcome to register for the Tuesday afternoon events (advance registration and additional charges apply)

Please note:

- All prices in \$USD and additional to base conference registration
- Please register when you register for the conference at www.mancef-coms2006.org
- We reserve the right to cancel or amend program options if there are insufficient registrations
- Please dress very casually (rubber-soled shoes and cotton clothing) for all of these events, as it will be very warm outside. Remember a hat, sun glasses and sunscreen for each of the afternoon events.
- Prices quoted do not include snacks (except for the sport fishing).

Optional Workshops:

**The Future of the Medical Device Community
 Optional Pre-Conference Workshop,
 Sunday August 27, 2006 9:00 a.m. - 1:00 p.m.**
 Register on-line: <http://www.mancef-coms2006.org/>

Dr. Malcolm Wilkinson will be hosting a pre-conference workshop focusing on MNT applications in the medical/healthcare sector. This workshop is geared towards medical device manufacturers and addresses issues and challenges in integrating this important technology.

Who should attend this workshop?

- Delegates from companies throughout the supply chain in healthcare related industries including medical device manufacturers, biotech firms, and the pharmaceutical sector.
- Managers and team leaders from research, product and process development, manufacturing, marketing, and business development.

Workshop Benefits

- The workshop will provide participants with an overview of MNT application technologies which are relevant to the medical/healthcare sectors and applications.
- A strategic approach will be used that will not overload participants with data, but will give key information that you will need to decide what to do about MNT in your business.
- The workshop will be full of real-life examples and case studies showing results based on experience rather than theoretical studies.
- You will be given practical guidelines for how to choose the right technologies and suppliers.
- You will learn how MNT will impact the future of your business.
- Network with leading customers and suppliers of medical devices

Workshop Content**What is Micro and Nanotechnology (MNT)**

- Where and why MNT is being used with examples of applications in healthcare and medical devices
- What are the product benefits that come from using MNT ?
- Which companies are active and what are they doing ? (Illustrated by Case Studies)

How to incorporate MNT and engage with the MNT community

- Supply chain slides/business models
- Outsourcing turnkey solutions
- System integration from functional specs
- Device Design
- Building an In-house Manufacturing capability



Choosing the technology

- Silicon/plastic/metals/hybrid/ceramic
- Case studies from point of care diagnostics and drug delivery.

Finding a supplier

- Criteria for selection – IPR ownership, scale/volume interaction etc.
- Do you need a local supplier or can you go global?

The future of your business

- Roadmaps
- Will MNT support your business growth or disrupt your business?

Annual Meeting of the International HARMST/LIGA Commercialization Group

We will be holding the usual annual workshop for the international HARMST/LIGA Commercialization Group at COMS2006 to enable members to give reports on progress and any development with commercialization of HARMST/LIGA technologies. This year we also want to know about any new infrastructure that has been created or extended that will help the path to commercialization.

Facilitator: Dr. David Tolfree, MANCEF VP Europe, dtolfree@mancef.org Registration fee \$0. Register on site at the conference.

About COMS

The International Conference on the Commercialization of Micro and Nano Systems (COMS) is the leading annual conference on micro and nanotechnology commercialization education. It brings together leaders in the field from across the world, representing organizations and companies from almost every sector of the community. These include leading industrialists, end users, researchers, equipment vendors, customers, VC and angel investors, educators, media, professional organizations, and government. The small tech community gathers at COMS conferences to learn from others, share their own knowledge, and discuss and debate points of view - all of which contribute to the advancement of this emerging field. For everyone concerned about future economic and business development through the exploitation of MNT, COMS 2006 is a conference that cannot be missed. Further information on the conference can be found on the web site: <http://www.mancef-coms2006.org/>

We look forward to seeing you In St. Petersburg!
The MANCEF and Small Tech in the Sunshine Inc, joint organizing committee



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