



IEEE

The Institute of Electrical and Electronics Engineers, Inc.  
New Orleans Section  
c/o Lawrence J. Ringel, P.E./ M S Benbow & Assoc.  
2450 Severn Ave., Suite 400  
Metairie, LA 70001

May 22, 2007  
VOLUME XXXI  
ISSUE  
**SPECIAL**

**TO:**

# ***THE SECTION BITS***

IEEE New Orleans Section Website: <http://www.ieee-neworleans.org/>

*Providing monthly news to Electrical and Electronic Engineers in the New Orleans Section of IEEE*

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***Joint Computer Society/Section Meeting***  
***Distinguished Lecturer:***  
***Dr. Rosalind W. Picard***  
***Wednesday***  
***May 30, 2007***

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<b>Location:</b>	<b>Cannon's Restaurant of New Orleans</b> 4141 St. Charles Avenue New Orleans, LA 70115  Telephone = 891-3200
<b>Time:</b>	6:00pm Cash Bar 6:30pm – 7:30pm Dinner 7:30pm – 8:30pm Program

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**Section Chair:** Richard W. Miller; Phone: (504) 528-2351, Email: [section-chair@ieee-neworleans.org](mailto:section-chair@ieee-neworleans.org)  
**IEEE New Orleans Section Website:** <http://www.ieee-neworleans.org/>

<b>Menu:</b>	<p>First Course: Caesar Salad w/ croutons &amp; grated parmigiana</p> <p>Entrée: <b>NOTE: Please identify Entrée selection when making RSVP.</b> Rib Eye Steak 14 oz. Rib Eye grilled medium served au jus &amp; baked potato</p> <p>Chicken Marsala Grilled boneless breast topped w/ mushroom &amp; Marsala wine Sauce, served w/ garlic &amp; mashed potatoes</p> <p>Dessert: Turtle Cheesecake</p> <p>Beverages: Tea, Soft Drinks, and Coffee</p>
<b>Cost / PDH Credits:</b>	<p>\$20.00 each for Members &amp; 1 Guest</p> <p>\$25.00 each for Non-Members</p> <p>\$10.00 each for Retirees/Students</p> <p style="text-align: right;"><b>PDH Credits Will Be Issued</b></p>
<b>Reservations:</b>	<p><b>Reservations are REQUIRED for this meeting. Please <b>RSVP</b> your reservation to Dr. Edit J. Kaminsky Bourgeois, <a href="mailto:ejbourge@uno.edu">ejbourge@uno.edu</a>. by Noon May 25, 2007.</b></p>



**Joint Computer Society/Section Meeting**  
**May 30, 2007**  
**New Orleans, LA**



**New Orleans Section Distinguished Lecturer Series**

Title: Emotional Intelligence Technology and Autism

**Abstract:**

Skills of emotional intelligence include the ability to recognize and respond appropriately to another person's emotion, and the ability to know when (not) to display emotion. This talk will demonstrate advances at MIT aimed at giving several of these skills to technology, including robots, mobile devices, wearable & traditional platforms. I will demonstrate (live) a new system to recognize complex cognitive-affective states in real time from a person's head and facial movements. This technology can discern when the user looks like he or she is concentrating or interested, agreeing or disagreeing, confused, or thinking. These signals help inform when is a good time to interrupt or otherwise adapt to the user's needs. A wearable version of this system is currently being developed for helping people with autism who have trouble reading social-emotional cues.

## Biography:

Rosalind W. Picard is founder and director of the [Affective Computing Research Group](#) at the Massachusetts Institute of Technology (MIT) Media Laboratory and co-director of the [Things That Think Consortium](#). She holds a Bachelors in Electrical Engineering with highest honors from the Georgia Institute of Technology, and Masters and Doctorate degrees, both in Electrical Engineering and Computer Science, from the Massachusetts Institute of Technology (MIT). She has been a member of the faculty at the MIT Media Laboratory since 1991. She was a Member of the Technical Staff at AT&T Bell Laboratories where she designed VLSI chips for digital signal processing and developed new methods of image compression and analysis. She was honored as a Fellow of the IEEE in 2005.

The author of over a hundred peer-reviewed scientific articles in multidimensional signal modeling, computer vision, pattern recognition, machine learning, and human-computer interaction, Picard is known internationally for pioneering research in affective computing and, prior to that, for pioneering research in content-based image and video retrieval. Her award-winning book, [Affective Computing](#), (MIT Press, 1997) lays the groundwork for giving machines the skills of emotional intelligence. She and her students have designed and developed a variety of new sensors, algorithms, and systems for sensing, recognizing, and responding respectfully to human affective information, with applications in human and machine learning, health, and human-computer interaction.

Dr. Picard has served on dozens of national and international science and engineering program committees, editorial boards, and review panels. She is on the Advisory Committee for the National Science Foundation's division of Computers in Science and Engineering (CISE) and the Advisory Board for the Georgia Tech College of Computing.

Picard has worked as a consultant for companies such as Apple, AT&T, BT, HP, i.Robot, and Motorola. She has been the keynote presenter or invited plenary speaker at over fifty science or technology events. Her group's achievements have been featured in national and international forums for the general public, such as The New York Times, The London Independent, Scientific American Frontiers, NPR's Tech Nation and The Connection, ABC's Nightline and World News Tonight with Peter Jennings, Time, Vogue, Voice of America Radio, New Scientist, and BBC's "The Works" and "The Big Byte."