



# IEEE Sensors Council, est 1999

- 26 Member Societies

- Combined membership >250,000

- Field of Interest

- Activities

- *IEEE Sensors Journal* (2001)

- Annual conference SENSORS (2002)

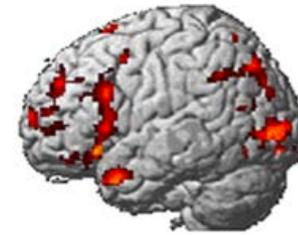
- 3-region geo rotation (Am, Eur/Af, Asia/Pac)

- Technical activities

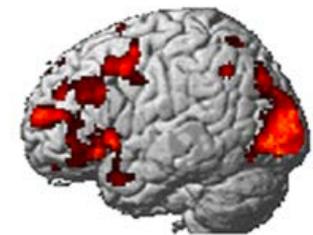
- Distinguished Lecturers

- Chapters

# “Brain” Activity



HAPPY



SAD

Kassam, et al

- Mini-Symposium at EMBC '11
  - *In Vivo Neurotransmitter Sensing: State of the Art and Applications*
    - Part of Theme: 3. Bioinstrumentation: Sensors, Micro, Nano and Wearable Technologies
  
- [IEEE Sensors Journal Special issue: Sensors and Sensing Systems for Neurophysiology \(9/13\)](#)
  - Guest Editors:
    - Lay-Ekuakille, Università del Salento (Italy); Morabito, University “Mediterranea” of Reggio Calabria (Italy); Szu, Catholic University of America, Washington (USA); Lee, KAIST, Rep Korea

- **High Temporal and Spatial Resolution Monitoring of Neurochemicals in Vivo using Sampling and Segmented Flow**
  - Robert T. Kennedy
- **Conformal Ceramic-Based Microelectrode Arrays for Second-by-Second Measurements of Neurotransmitters in the CNS**
  - Greg A. Gerhardt
- **Cell-based neurotransmitter fluorescent engineered reporters (CNiFERS) to image neurotransmitter modulation of brain activity**
  - Arnaud Muller

- **Advancements in PET Radiotracer Development for Neuroscience Applications**
  - Jacob M. Hooker
  
- **Luminescent glucose and lactate sensors using nanoparticles and fiber optics for neurochemical monitoring**
  - Michael J. McShane
  
- **Neurotransmitter modulation in rat hippocampus via extracranial focal electrical stimulation**
  - Walter G. Besio