

## COPN Group

### **Response to EFRI 2008 Solicitation**

What were the most challenging parts of the solicitation to meet?

- Assembling the team – between engineering and biology/neuroscience.
- Assembling the concepts; Concerned about the interface between the neuroscience and neuroengineering application; bridging the gap
- Concerned about the review process - what is the background of the reviewers?

### **Research synergies**

Are there needs and opportunities for potential research collaboration, within each topical areas or across areas?

\*Themes (vertical or horizontal slices: fundamentals and domains)

- Collaboration between COPN and ARES through a common co-PI
- Collaboration within COPN – a common co-PI on two COPN projects
- RESIN –
- Unmet opportunities (for example: CBE) – to find value in the interactions
- General purpose mathematics for prediction and optimization

\*Mechanisms

- Assemble a team to response to a new EFRI solicitation
- EARly-concept Grants for Exploratory Research \*Systematic approaches
- Power – RAPID
- International partnership – IREE – This is a supplement
- Apply for funding for Virtual collaboration

\*Systematic approaches

- More focused subgroups and groups
- Graduating in one lab and having a post-doc position in a different lab (Billboards)
- General purpose mathematics for prediction and optimization

## **Community Building**

How to do it: fundamentals and domains

- Skype – audio conferencing
- Sitespeed - \$10/month for 4 way video/audio conferencing
- Annual workshop at the COPN sites – Funding for bringing the other three teams to the host site will be needed.
- Panel session at COPN related conferences (for example – IJCNN, Computational neuroscience, IEEE neural engineering, NIPS workshop, annual meeting of the society of neuroscience) – apply for travel funds to NSF.

## **Are you taking Risk?**

- The nature of the EFRI program allows for high risk to exist
- Yes – for high impacts and transformative research
- Examples – Interaction brings about risk; multidisciplinary nature of the project; new technology maturation could be delayed.

## **Are you afraid of failures?**

- Failures is the key to open doors to success;
- No really

## **Life After EFRI**

\*What's the next step after the four years?

- COPN ERC
- IDR

\* Are the existing programs at NSF and other agencies sufficient to support your program after EFRI?

- NSF IDR
- NSF ERC
- NIH
- CRCNS
- CDI – Apply for funding for Virtual collaboration – Integrated virtual ERC.