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# First Proceedings of the Propeller Big Brain Anniversary Celebration

August 2011

## Big Brain Thread

<http://forums.parallax.com/showthread.php?124495-Fill-the-Big-Brain>

## One Year Anniversary of Big Brain

<http://forums.parallax.com/showthread.php?124495-Fill-the-Big-Brain&p=1024388&viewfull=1#post1024388>

## The Cerebellation Begins

<http://forums.parallax.com/showthread.php?124495-Fill-the-Big-Brain&p=1024669&viewfull=1#post1024669>

## Parallax

<http://www.parallax.com/>

by Humanoido

## The Cerebellation Begins

Our one year Big Brain Anniversary celebration, cleverly coined *Cerebellation* by Tommy (Ttailspin), opened on the morning of Saturday August 6th, 2011 at Humanoido Laboratories in China. It began with a **picnic luncheon** that led to sharing and exchanging **brain stories** followed by the **distribution of free door prizes** - electronic project books about circuits and data for working with BASIC Stamps, Propeller chips, and multiple chip brains.

**Free online books** were provided to remote attendees (thanks to jdolecki).

[Artificial Neural Networks - Application](#) Edited by Chi Leung Patrick Hui, ISBN 978-953-307-188-6, 586 pages, April 2011, 27 chapters

Evolutionary Algorithms Edited by Eisuke Kita, ISBN 978-953-307-171-8, 584 pages, April 2011, 29 chapters

Recurrent Neural Networks for Temporal Data Processing Edited by Hubert Cardot, ISBN 978-953-307-685-0, 102 pages, February 2011, 6 chapters

Giveaway books included this exceptional Talking Electronics Series by Colin Mitchell:

30 LED Projects

50 555 Circuits

70 Interesting Circuits

100 IC Circuits eBook

[200 Transistor Ccts](#)  
[eBook1 1-100 Ccts](#)  
[eBook2 101-200 Ccts](#)

**Open chat sessions** led to reclamation energy saving devices and reducing power consumption in multi-chip big brains, how super cooling can increase Propeller chip performances, the organization of growing and expanding Propeller chip arrays in increasing large brains, parallel algorithms, human brain to machine brain connection, parts & methodology codification and new ideas.

**Presentation** via the Science and Technology Institute, Humanoid Robotics

### **Movies**

The group moved indoors for the afternoon schedule of movie watching, for inside air conditioning to beat the outdoor heat, pollution and Goby desert storm that moved in. [http://en.wikipedia.org/wiki/Gobi\\_Desert](http://en.wikipedia.org/wiki/Gobi_Desert)

The Brain (1988) Canadian science fiction horror film depicting a giant brain that eats people  
[http://search.yahoo.com/r/\\_ylt=A0oGd...ain\\_\(1988\\_film\)](http://search.yahoo.com/r/_ylt=A0oGd...ain_(1988_film))

The Machine that Changed the World - Giant Brains

<http://www.viddler.com/explore/waxpancake/videos/5/>

The Brain from Planet Arous (1957) - a giant brain that attacks people

<http://www.imdb.com/title/tt0050210/>

Megamind's Giant Brain

<http://vox.fastcompany.com/1698647/m...silicon-valley>

Following movies, a **grand tour of the Big Brain Little Lab Facilities** and a **Big Brain demonstration was presented**. It's many small brain offspring were fired up and put in action. After, there was a **brain question and answer session**.

A **mini-paper session** was underway, with an opportunity for attendees (both in person and remote) to report on their projects, findings, research, discoveries, ideas and goals. Remote papers were optionally sent by email. This was a great way for people that lived far away to partake in the scientific portion of the meeting.

## **Mini Session Abstracts**

### **The Importance of CCD Optical Imaging & Camera Selection**

by drqiu - CCD optical couplers maximize sensitivity and time response in vision systems for real time robotics optical analysis systems. Off the shelf cams may have more desirable state of the art CCD image sensors over CMOS devices

### **Preparation of Cooling Propeller Chips through the use of CO2 Tanks Under Pressure**

by drqiu - Cooling large arrays of Propeller chips can be achieved using canisters of pressurized CO2. Vessels are commonly available, can be recycled and work well for a plane distribution and top bottom applications

### **Human Brain Medical Technology Applied to the Machine Brain**

by Dr\_Zenz - Numerous human brain methods, treatments and diagnostic technology can apply to machine brains. The human brain is in the process of reverse engineering. In decades time, machines will have access to human brain engineering and the advancements of medical technology

### **Human Brain to Machine Brain Connection Ramifications**

by Humanoido - Connecting a human brain to a machine brain and visa versa can have many advantages. One machine to lead the study of machine brains is the BWM Brain Wave Machine

### **Links**

#### **1st Brain Wave Monitor - Listening to Propeller Chips**

<http://forums.parallax.com/showthread.php?124495-Fill-the-Big-Brain&p=1019989&viewfull=1#post1019989>

#### **New Brain Wave Monitor**

<http://forums.parallax.com/showthread.php?124495-Fill-the-Big-Brain&p=1023210&viewfull=1#post1023210>

#### **Propeller Brain Spectral Thought Imprint - Using the new Brain Wave Monitor v2.0**

<http://forums.parallax.com/showthread.php?124495-Fill-the-Big-Brain&p=1023211&viewfull=1#post1023211>

#### **Propeller Brain Wave Machine - BWM Setup**

<http://forums.parallax.com/showthread.php?124495-Fill-the-Big-Brain&p=1023215&viewfull=1#post1023215>

#### **Propeller Neural Image Interface Development - Machine Brain to Human Brain**

<http://forums.parallax.com/showthread.php?124495-Fill-the-Big-Brain&p=1020714&viewfull=1#post1020714>

### Brain Wave Machine Function - Theory of Op

<http://forums.parallax.com/showthread.php?124495-Fill-the-Big-Brain&p=1023199&viewfull=1#post1023199>

### Brain Wave Monitor Sees Big Brain Thoughts - Add a Front End Oscilloscope to see Propeller thinking

<http://forums.parallax.com/showthread.php?124495-Fill-the-Big-Brain&p=1020108&viewfull=1#post1020108>

#### Contributors

Parallax, Ttailspin, jdolecki, dray, drqui, Dr\_zenz, Humanoido

### Don't miss any of Big Brain's Little Offspring

*It's up to you to check their one year anniversaries! :)*

#### Propeller Brain in a Jar

<http://forums.parallax.com/showthread.php?132716-Propeller-Brain-in-a-Jar>

#### Brain Child

<http://forums.parallax.com/showthread.php?124495-Fill-the-Big-Brain&p=1003572&viewfull=1#post1003572>

#### Baby Brain

<http://forums.parallax.com/showthread.php?124495-Fill-the-Big-Brain&p=1004421&viewfull=1#post1004421>

#### Bantam Brain (no photo shown)

<http://forums.parallax.com/showthread.php?124495-Fill-the-Big-Brain&p=987918&viewfull=1#post987918>

#### BIT Brain Interim Test Machine, post 1006, post 1034, 6 props

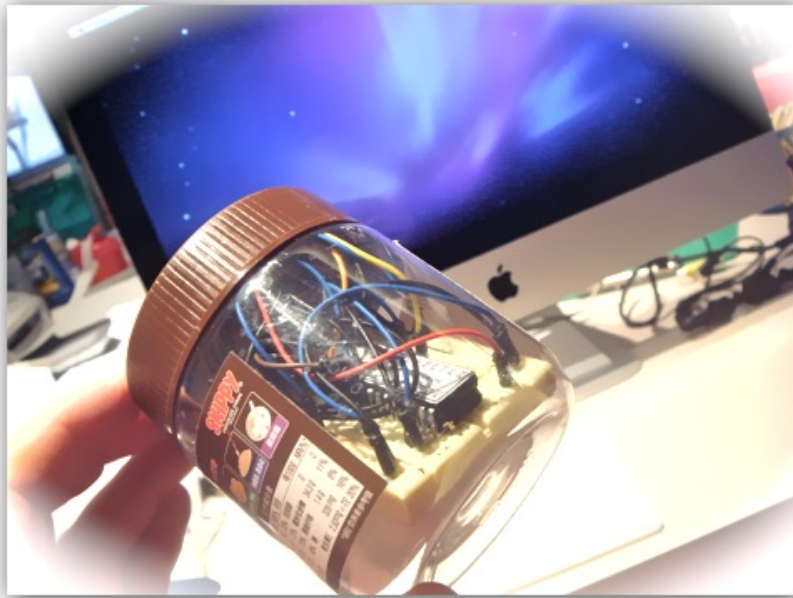
<http://forums.parallax.com/showthread.php?124495-Fill-the-Big-Brain&p=1010373&viewfull=1#post1010373>

#### Small Brain 5 prop chips on one board

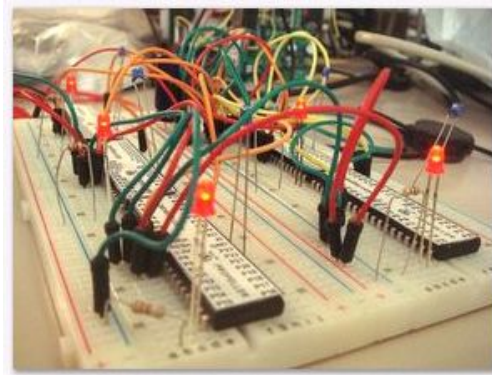
<http://forums.parallax.com/showthread.php?124495-Fill-the-Big-Brain&p=988558&viewfull=1#post988558>



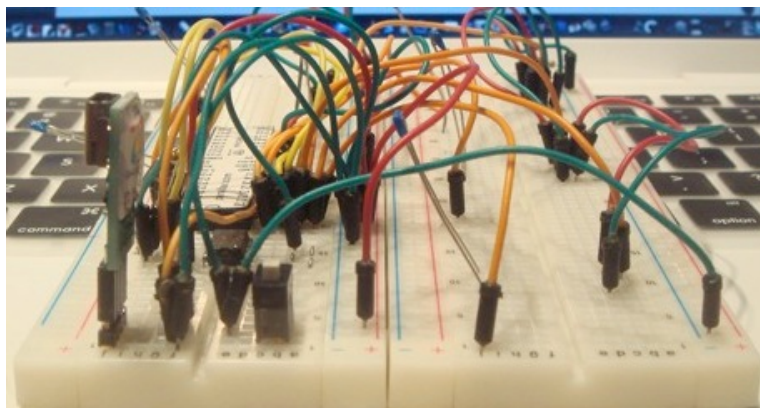
July 21st through July 25th, 2011



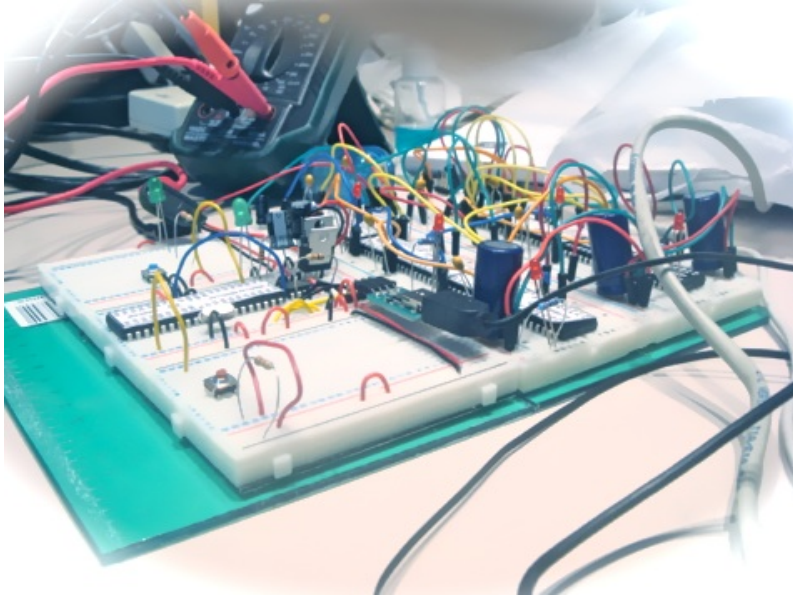
**Propeller Brain in a Jar**



**Brain Child**



**Baby Brain**



**Bit Brain**

