

## Microbridge January 2008 eNewsletter

### Design Challenge Wraps-up

The Microbridge Rejutor Challenge is now closed. 167 participants submitted a total of 64 designs, including applications in optics, radar, wireless and a variety of automotive applications. Judges are currently reviewing the entries. Thanks to everyone who participated

### Product of the year awards

Microbridge scored no less than four awards as publishers and editors performed their year-end product reviews. The MBT-303, the first passive resistive element to offer adjustable TCR won two awards. The MBW-303, the first fully-integrated, passive compensation device for Wheatstone Bridge Sensors also won two awards.

**EDN Magazine** recognized the **MBT-303** as one of the **Hot 100 products of 2007**.

<http://www.edn.com/article/CA6512867.html?nid=2551>

**Electronic Products Magazine (Hearst Publications)** selects the **MBT-303** as winner of the **Product of the Year 2007**.

[http://www.electronicproducts.com/ShowPage.asp?FileName=poyrr01\\_jan2008.html](http://www.electronicproducts.com/ShowPage.asp?FileName=poyrr01_jan2008.html)

**EnGenius** also recognized Microbridge's **MBW-303** as one of the 29 products selected for **Product of the Year**. This is a tremendous achievement and recognition from one of the top on-line publications. [http://www.en-genius.net/site/static/EN-Genius\\_product\\_of\\_the\\_year\\_winners\\_2007](http://www.en-genius.net/site/static/EN-Genius_product_of_the_year_winners_2007)

The **MBW-303** Wheatstone Bridge Offset Conditioning Network was chosen by the **Sensors & Transducers Magazine's** editorial as one of the **10 Best Sensors Products of 2007**:

[http://www.sensorsportal.com/HTML/DIGEST/10\\_Top\\_Products\\_2007.htm](http://www.sensorsportal.com/HTML/DIGEST/10_Top_Products_2007.htm)

### Revised Power and Temperature Guidelines

After more extensive testing, Microbridge has increased both the operating power and operating temperature range for the Rejutors. Rejutors can be operated safely at up to 5-times rated power (5mW for a standard Low-TCR Rejutor). Rejutors are also suitable for operation from -55 to +125C. More details can be found in these revised application notes; [temperature guidelines](#) and [power guidelines](#). As a consequence, the datasheets have also been updated. Always refer to the datasheet on the website before starting a new design.

### Updated Noise Application Note

The original release of the Rejutor noise application Note evaluated relative noise in the Rejutor. The updated version, produced in conjunction with McMaster University, performs absolute value measurements. The Rejutor is still the lowest noise of any adjustable resistor technology. See the [appnote](#).

## New Products

Microbridge continues to evolve our product line. Look for our next announcement Feb 4... You'll find a hint in the next paragraph...

## Integrated CMOS

In February we plan to announce our Rejistor Compensated Analog CMOS product line. The first product in this family will be unveiled at ISSCC.

## High-Temperature Family

Next quarter Microbridge will announce a line of Rejistors suitable for applications up to 250°C. If you have a keen interest in learning more about this please contact Bob Frostholt at [bfrostholt@microbridgetech.com](mailto:bfrostholt@microbridgetech.com) or call 408-524-1551

## Trade Shows

### Microbridge at DesignCon

Microbridge will be at [DesignCon](#) in Santa Clara in February 2008. Drop-by booth 842 to see the latest product offerings and meet members of the Microbridge team.

### Microbridge at ISSCC 2008

The 2008 ISSCC Technical Program Committee has accepted our paper titled "Single-Chip CMOS Analog Sensor-Conditioning ICs with Integrated Electrically Adjustable Passive Resistors". Paper number 32.6 will be presented in the Session entitled MEMS & Sensors, at ISSCC in February in San Francisco. For more information on the conference, visit [www.isscc.org](http://www.isscc.org).

### Tokyo Sensor Show 2008

Microbridge will be present at the 2008 edition of the Tokyo Sensor show. This is a great opportunity to learn more about our award winning technology

## Rejistors in the News

### Planet Analog

24/12/2007

Targeting wireless, Targeting wireless, military, aerospace and satellite applications, Microbridge's low-power adjustable resistors provide integrated calibration compensation systems for analog circuit designs.

[Adjustable resistors provide integrated calibration compensation for analog circuits](#)

### EE Product Center

24/12/2007

Adjustable resistors provide integrated calibration compensation for analog circuits for mass production

<http://newsletter.eeproductcenter.com/cgi-bin4/DM/y/eBGBr0Jh14Y0FrC0FjWp0AI>

### Embedded.com

24/12/2007

PASSIVES: Adjustable resistors provide integrated calibration, compensation for analog circuits.

<http://www.embedded.com/products/integratedcircuits/205203173.jsessionid=TOMHVWZLQ3MKQQSNDLRCKH0CJUNN2JVN>

## **EE-Times Asia**

Adjustable resistors provide integrated calibration, compensation for analog circuits.

[http://www.eetasia.com/ART\\_8800495272\\_765245\\_NP\\_f2b77849.HTM](http://www.eetasia.com/ART_8800495272_765245_NP_f2b77849.HTM)

## **ABOUT MICROBRIDGE**

Microbridge is the leading manufacturer and licensor of next step electronic calibration products and solutions in the consumer, automotive, medical and other industries that need to improve manufacturing yields and productivity, and enter new markets. Microbridge's resistor calibration products (Rejustor) and enabling technology are the first integrated calibration and temperature compensation systems for analog electronics design and production. The firm enables manufacturers to: cut scrap up to 50%; reduce in-line manufacturing process steps; eliminate binning, work-arounds, laser trimming, hand-sorting and trim-pots; decrease calibration costs by a factor of 10 without sacrificing performance; and return millions of dollars in production savings.

Microbridge's technology enables product designers to achieve one-step calibration and passive adjustment, is adaptive and adjustable in circuit, and it allows calibration in the analog domain to improve the design of current and future products.

For more information, visit [www.mbridgetech.com](http://www.mbridgetech.com). Companies with product inquiries can contact Microbridge at [sales@mbridgetech.com](mailto:sales@mbridgetech.com) and licensing inquiries can be answered at [license@mbridgetech.com](mailto:license@mbridgetech.com)

Contact us:

Phone: 1-888-735-8786

e-mail: [info@mbridgetech.com](mailto:info@mbridgetech.com)

Bob Frostholm

Vice President

Marketing, Strategic Alliances & Business Development

Microbridge Technologies