



NEWS ANNOUNCEMENT

FOR IMMEDIATE RELEASE

TOWER AND JAZZ SEMICONDUCTOR ANNOUNCE CALL FOR PAPERS FOR 2009 ANALOG-INTENSIVE MIXED-SIGNAL CIRCUITS, APPLICATIONS, AND TECHNOLOGY (AIMS-CAT) CONFERENCE

MIGDAL HAEMEK, Israel and NEWPORT BEACH, Calif., May 13, 2009 – Tower Semiconductor Ltd. (NASDAQ: [TSEM](#), TASE: TSEM), an independent specialty foundry, and its fully owned U.S. subsidiary Jazz Semiconductor, Inc., today announced the Call for Papers for its 2009 Analog-Intensive Mixed-Signal Circuits, Applications, and Technology (AIMS-CAT) Conference. This focused one-day event, set for November 5, will be held at the Jazz Headquarters in Newport Beach, CA in conjunction with the annual Jazz and Tower Conference (JaTc). The AIMS-CAT conference will bring together a wide range of technical professionals in leading edge companies from around the world focused on the latest advances in Silicon Germanium (SiGe), RF CMOS, Bipolar-CMOS-DMOS (BCD), and CMOS Image Sensor (CIS) process technologies.

“As the global leader of the fast growing, analog-intensive, specialty foundry market, Tower/Jazz provides a platform with the AIMS-CAT conference which affords our customers a valuable opportunity to share their innovations, technical challenges and success stories with their peers, potential partners and other industry leaders. It also provides our customers and potential customers an opportunity to learn more about the full scope of our specialty technologies and design enablement services unique to our company,” said Russell Ellwanger, CEO of Tower Semiconductor and Jazz Semiconductor Chairman. “In the past, the innovation-based, open atmosphere of the conference has led to increased alignment for us with other leading companies. We look forward to advancing the interest of our customers through the upcoming event.”

This year’s conference is focused on the central theme of “Stimulus for Success: Specialty Solutions Enable Customer Innovation.” The event will include a list of key invited speakers as well as contributed talks and vendor exhibits. All participants will have an opportunity to meet with top executives and technical professionals in the semiconductor industry. In addition, all

attendees will be able to experience the latest from tool and IP providers, design companies, and post wafers service companies.

“The opportunity to present our work using Jazz’s 0.18-micron SiGe BiCMOS process at last year’s conference was valuable in sharing the advancements we’ve made in the development of microwave and millimeter-wave phased arrays for application areas such as satellite communications, defense systems, imaging systems, and automotive radars,” said Dr. Gabriel Rebeiz, Professor, University of California, San Diego. “The information presented at the AIMS-CAT conference encompassed various other topics that are relevant to all people in the design process and I look forward to attending this year’s conference to hear what others in the industry have to share.”

Tower/Jazz is seeking proposals for papers focused on Analog-Intensive Mixed-Signal (AIMS) topics including advances in design methodology, system architecture, breakthrough IC demonstrations, test/package innovations, modeling and design enablement, and process technology. Application areas may include but are not limited to: Analog and RF Integration, Power Amplifiers and Front-End Modules, High Speed Analog and Millimeter-Wave, Optical Networking, Radar, Power Analog, MEMS, RFIC and CMOS Image Sensor technology.

Paper Submission Information

Interested participants should submit their abstract (no more than 100 words) and a presenter’s profile (50 words) as well as the name of the author/presenter and company, mailing address, telephone/fax numbers, and e-mail address. Abstracts must be received no later than July 13, 2009. Submissions and questions can be addressed to Melinda Jarrell at melinda.jarrell@towersemi-usa.com. Notification of acceptance will be provided no later than August 14, 2009. For full submission instructions, please visit http://www.jazzsemi.com/events/call_for_papers/. Selected presenters will be required to provide electronic versions of their technical papers and presentations to Jazz by October 16, 2009. Presentations will be included on a CD for all conference attendees.

About Tower Semiconductor, Ltd. and Jazz Semiconductor, Inc.

Tower Semiconductor Ltd. (NASDAQ: TSEM, TASE: TSEM) is a pure-play independent specialty wafer foundry and its fully owned U.S. subsidiary Jazz Semiconductor, Inc., is a leader in Analog-Intensive Mixed-Signal (AIMS) foundry solutions. Tower and Jazz manufacture integrated circuits with geometries ranging from 1.0 to 0.13-micron and provide complementary technical services and design support. In addition to digital CMOS process technology, Tower offers advanced mixed-signal and RF CMOS, Power Management, CMOS image-sensor, non-volatile memory technologies and Flash MTP and OTP solutions. Jazz’s comprehensive process portfolio of modular AIMS technologies includes RFCMOS, Analog CMOS, Silicon and SiGe BiCMOS, SiGe C-BiCMOS, Power CMOS and High Voltage CMOS. To provide world-class customer service, Tower maintains two manufacturing facilities in Israel; Jazz maintains a fab in the U.S. and additional manufacturing capacity is available in China through partnerships

with ASMC and HHNEC. For more information, please visit www.towersemi.com and www.jazzsemi.com.

Safe Harbor Regarding Forward-Looking Statements

This press release includes forward-looking statements, which are subject to risks and uncertainties. Actual results may vary from those projected or implied by such forward-looking statements. A complete discussion of risks and uncertainties that may affect the accuracy of forward-looking statements included in this press release or which may otherwise affect Tower's and Jazz's business is included under the heading "Risk Factors" in Tower's most recent filings on Forms 20-F, F-3, F-4 and 6-K, as were filed with the Securities and Exchange Commission (the "SEC") and the Israel Securities Authority and Jazz's most recent filings on Forms 10-K and 10-Q, as were filed with the SEC. Tower and Jazz do not intend to update, and expressly disclaim any obligation to update, the information contained in this release.

Tower/Jazz Company Contact:

Melinda Jarrell
949-435-8181
melinda.jarrell@towersemi-usa.com

Tower/Jazz Media Contact:

Lauri Julian
949-715-3049
lauri.julian@jazzsemi.com

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