


## LINK Receives Award for Selling 100<sup>th</sup> Brüel & Kjær PULSE System

In a ceremony held on Friday, August 24, 2007, Brüel & Kjær presented a plaque to Link Engineering commemorating the sale of the 100<sup>th</sup> B&K PULSE unit. The PULSE system has been the preferred noise analyzer on Link dynamometers and vehicle test systems since 2000. Link and B&K have established a strong cooperative relationship that has provided industry leading sound and vibration measurement capabilities to our customers.




been an excellent partner for B&K. Link serves as our brake applications expert and we work extremely well together.” In accepting the award, Jim Thompson stated “B&K is considered our ideal partner among a wide range of suppliers. They provide outstanding technology, and they are constantly innovating

to provide even more value and capability for our customers. In addition, we have been able to work in a totally cooperative fashion as demonstrated by the sale of 100 units.” Both Link and B&K are eagerly anticipating the sale of 200 units. 

In presenting the award, Marc Marroquin, the Great Lakes Regional Manager for B&K, noted “Link has

## Jim Thompson Elected Vice Chair of SAE Noise & Vibration Conference

It was recently announced that Jim Thompson has been elected to the position of Vice Chair of the SAE Noise and Vibration conference. Jim will serve as Vice Chairman for the 2009 conference and as Chair of the 2011 conference. Congratulations to Jim on this singular accomplishment. 



**Dawn Isabel Link**  
May 19, 1947 – August 7, 2007

We are profoundly saddened by the passing of Dawn Link, wife of our President, Roy. After a long battle with colon cancer, Dawn passed away in the comfort of her Northville home, with all surviving members of her family by her side.

Dawn has been an integral part of the success and growth of Link Engineering Company through her support of Roy as well as her own relationships with employees, representatives, suppliers, customers and industry leaders.

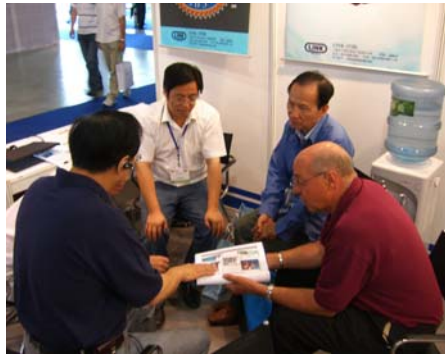
A true hero and inspiration to her family and friends, she found a way to touch the heart of every person she came in contact with. When she committed to something, she did it with every ounce of her love and compassion, and there was nothing she was more committed to than her family and friends. Dawn will be dearly missed, but her legacy will live on through those she touched.

### INSIDE THIS ISSUE

LINK Receives Award .....	1
Dawn Isabel Link.....	1
Jim Thompson Elected Vice Chair.....	1
LINK at the China Automotive Testing Expo.....	2
Model 3801 & B&K PULSE Software.....	2
Model 3378 Portable Vehicle DTV.....	3
New NVH Squeal Report Application.....	3
Link Industries New Thru-Tool Coolant Line.....	4
Link Testing Lab Opens New Location.....	4
LINK User Forum in China.....	5
LINK Participating in SAE Brake Colloquium.....	5
Calendar of Events.....	5

## LINK Participates in the Automotive Testing Expo China 2007

The Automotive Testing Expo (ATE) was held in Shanghai from September 12-14. Link (China) had a prominent display at this exposition with LINK personnel from China and the US participating.

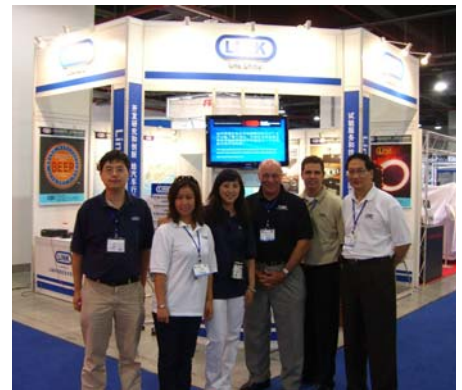


Roy Link and Mark Rogus, the Technical Operation Manager from Link Testing Laboratories, attended the event and met with numerous customers. In addition, Young Shin, the President of SE Systems, LINK's representative in Korea, attended the show. ATE brought together a total of 210 exhibitors. This expo is China's only trade show that is focused on automotive testing and quality engineering technologies and services.

The LINK booth provided a slide presentation on a wide array of products and there were

demonstrations of the Model 3801 vehicle measurement system. The theme for this show was "Testing, service and technology, Link opens the door to the world for Chinese customers; Innovation, research and development, Link establishes standards for the global automobile industry."

There were numerous customer meetings during this show. As one customer from south central China noted "Link has demonstrated their leadership as well as their commitment to China market that few can compare in the same catalog." Another customer from northeast China stated "Link has unique technology that will help China automotive industry to advance to meet the challenge of globalization." ○



## Model 3801 and Brüel & Kjær PULSE™ Software

The Model 3801 Compact Vehicle Data Acquisition System has now become even more versatile for NVH data analysis with the addition of the capability to pair the Model 3801 hardware and Brüel & Kjær's PULSE™ Software.

The PULSE software package provides a full range of analysis tools to maximize the user's ability to understand noise and vibration data. The PULSE software is used as a post-processing tool to further analyze data from the Model 3801 and provides a wide array of tools for detailed investigations. By combining the portability and ease of use of the

Model 3801 with the sophisticated analysis tools of the PULSE software package, this new combination opens a new set of opportunities for vehicle data interpretation.

Whether one wants to look at cross-spectrum properties, do modal analysis, or perform sound quality investigations, the tools are now in place to use the Model 3801 conveniently in the vehicle and then employ the PULSE software to process the data after the test is completed. A whole new world of possibilities is open to the Model 3801 user. ○



## Link Industries' New Thru-Tool Coolant Line of Cutting Tools

Link Industries is proud to present their full line of Thru-Tool Cooling (TTC) cutting tools. LINK has developed centerdrills with TTC available for superior tool cooling, exceptional chip removal characteristics, and longer tool life. This feature may be added to any custom tool, single or double ended. LINK has developed special techniques for manufacturing these tools. Several standard models are available. The TTC product line is part of the complete array of cutting tools provided by LINK.



This technology can be employed in a wide range of tools including the custom tools for which LINK is well known. "The TTC line of tools provides a valuable option for our customers and assists with their efforts to optimize efficiency and productivity" noted Tad Wrobel, LINK's Cutting Tools Sales Engineer. Tad also stated that "The TTC is just one example of the

innovative tools we offer for surmounting manufacturing problems around the country."

For more information contact Tad Wrobel at +1-734-453-0800 or email [sales@centerdrills.com](mailto:sales@centerdrills.com). 

## Link Testing Laboratories Moves Vehicle Test Operation to New Location in Allen Park

Link Testing Laboratories announced that their vehicle test operations will move to a new location in Allen Park, Michigan. This expansion is the result of the continuous growth of this critical component of Link Testing Laboratories. This new facility, at 17100 Southfield Road, will provide much needed room for expansion of vehicle preparation, metrology laboratories, and office space. With over 27,000 square feet of space, this facility will provide significant room for growth.

Link Testing offers a wide range of vehicle testing services and all of these will be supported in this new location. The majority of the current programs include vehicle preparation and instrumentation, test operation, data analysis, and reporting. LINK always strives to customize services for the maximum benefit to the customer. In some instances, LINK only does the vehicle preparation or only the data analysis and report generation. LINK is comfortable with working in collaboration with the customer to insure the maximum benefit is achieved with outstanding efficiency.

With this facility LINK will continue to provide industry standard tests such as Detroit Suburban Traffic

(DST) tests, regulatory testing such as FMVSS 135 or R90, and proprietary testing for specific customers. In addition, a full range of other services are offered including management rides, benchmarking, and the development of new test procedures. With secured agreements for access to specialized proving grounds in the US and Europe, LINK can provide a wide range of customized test capabilities.

It is anticipated that operations from this new facility will be fully underway by early this fall. A grand opening announcement will be forthcoming in a few weeks. As Joe Wells, LINK's General Manager of Vehicle Test Operations noted "This facility is a new chapter in the expansion of LINK's testing services. The Allen Park facility represents not only more space, but the opportunity to offer new services including innovative approaches to asset management."

For more information contact Terry Ledwidge, Director of New Business Development at +1-313-933-4900, Fax +1-313-933-0710 or email: [sales@linktestlab.com](mailto:sales@linktestlab.com). 

## Link User Forum Held in China




A Link User Forum was held for the first time in Shanghai, China on September 14. The goal of this forum was for users to share experiences and exchange information on dynamometer testing, vehicle testing

and other friction and brake product testing. This is also the very first technical forum of its kind ever organized in China.

A total of 37 delegates from around China attended the gathering. The Chairman of China Friction and Sealing Materials Association (CFSMA), Mr. Wang, Yao made remarks at the opening. Mr. Wang informed the audience that China government will request all friction and brake manufactures in China to be certified on dynamometer tests before bringing products to the market.


### Link Participating in the 2007 SAE Brake Colloquium

This year's Brake Colloquium is special, being the 25<sup>th</sup> anniversary of the conference. We look forward to seeing you there and hope that you will stop by our booth, Number 301, in the exhibit area. Link personnel will also be chairing several sessions and participating throughout the Colloquium in many ways. We hope you will be able to join us there for an excellent technical program and the opportunity to network with colleagues from throughout the brake industry. 



Roy Link made a key note speech highlighting Link's commitment to supporting Chinese customers with our testing expertise, and continuously developing new testing technologies. Five of Link's customers made presentations at the forum. Wanxiang, Gold Phoenix, Xinyi, and Nanjing Yuejin shared their experiences using Link dynamometers. China Chongqing Automotive Research Institute (CCARI) reported on their vehicle test project using the Model 3801 Data Acquisition System to develop the Chongqing city traffic test procedure.

Christoph Grossmann, the Vice General Manager from TUV Rheinland (China), introduced ECE test regulations and requirements. Yang, Zhigang, Application Manager from Brüel & Kjær, Link's global technology partner, presented the applications of BK Pulse system in NVH testing. Mark Rogus, the Technical Operation Manager from Link Testing Laboratories, made presentation on the trend of lab testing, new technologies, and industrial requirements.

The conference was filled with active discussions. The forum was well received with much interest in holding similar meetings in the future. 

#### CALENDAR OF EVENTS

**10/7-10/2007 25th Annual SAE Brake Colloquium**  
Omni Orlando Resort; Champions Gate, FL; Booth 301; [www.sae.org/events/bce/](http://www.sae.org/events/bce/)

**10/21-24/2007 Noise-Con 2007**  
Grand Sierra Resort and Convention Center, Reno, NV; [www.inceusa.org/nc07](http://www.inceusa.org/nc07)

**10/24-26/2007 North America Auto Testing Expo**  
The Rock Financial Showplace, Detroit, MI  
Booth 14020; [www.testing-expo.com/usa/](http://www.testing-expo.com/usa/)

**10/30-11/1/2007 SAE Commercial Vehicle Engineering Congress and Exhibition**  
Donald E. Stephens Convention Center, Rosemont, IL; [www.SAE.org/events/cve/](http://www.SAE.org/events/cve/)