



# PCB®/SAAMI Members Ballistic Pressure Sensor Users' Group

A training course offered by PCB Piezotronics, Inc.

June 18, 2014 • Buffalo, NY



## At this training, participants will learn:

- Conformal Pressure Sensor Series 117B
- Calibration Adaptor Series 090B
- Shot Shell Series 165B
- In-house demonstrations by PCB®'s manufacturing staff
- One-on-one time with experienced applications engineers

*Training topics include; the physics and operating characteristics of pressure transducers and associated constraints, signal conditioning, sensor handling, installation and calibration, manufacturing operations and demonstration of PCB firing range.*



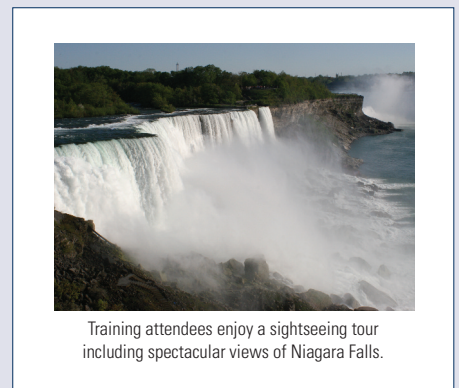
### Who Should Attend:

The program is geared toward senior ballistic technicians, test engineers, and other end users of PCB® ballistic pressure sensors or test facility managers whose work depends on acquiring accurate pressure data.



### About the Event:

The training will begin Wednesday, June 18th at 8:00 a.m. It includes all meals, entertainment, and a sightseeing tour of Niagara Falls. Class size is limited to the first 25 registrants. To reserve your space, complete and submit the registration form or contact Alyson Grande at 866-816-8892 ext. 2628, or via E-mail at [agrande@pcb.com](mailto:agrande@pcb.com).



**Bob Metz**

### About the Speaker:

Bob Metz Holds a BS degree in Aeronautical and Astronautical Engineering from The Ohio State University and MBA from State University of NY. Bob has been an instrumentation engineer for 18 years, focusing on vibration, pressure and force measurement using piezoelectric sensors and is currently the Director of Sales and Marketing for the Aerospace & Defense Division of PCB Piezotronics, Inc.

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## Agenda

### Tuesday June 17, 2014

Upon Arrival / Free shuttle to Holiday Inn Buffalo Airport location

5:30-6:30pm / **Registration and Reception** at Holiday Inn Buffalo Airport

6:00-8:00pm Food buffet and beverage, provided by PCB Piezotronics

### Wednesday, June 18, 2014

7:00	<b>Breakfast in Holiday Inn ballroom</b>	1:00	<b>117B Installation/Calibration</b> <ul style="list-style-type: none"><li>• Oil</li><li>• Brass</li></ul>
8:00	<b>Bus departs to PCB Piezotronics,</b> 3425 Walden Ave, Depew, NY	2:00	<b>Manufacturing Tour</b> <ul style="list-style-type: none"><li>• Crystals</li><li>• Machine Shop</li><li>• Gun Range</li></ul>
8:30	<b>Opening remarks, Jim Lally,</b> <b>PCB Piezotronics founder</b>	3:30	<b>Break</b>
8:45	<b>Piezoelectric Pressure Technology Overview</b> <ul style="list-style-type: none"><li>• Piezoelectric Pressure Sensor Theory</li><li>• Review Series 117B</li><li>• Review Model 165B02 for Shot Shell</li></ul>	3:40	<b>Town Hall Meeting - Open forum</b>
10:00	<b>Break</b>	4:00	<b>Depart for Holiday Inn Buffalo Airport</b>
10:15	<b>Hands-on Training</b> <ul style="list-style-type: none"><li>• Handling of Sensors &amp; Cables</li><li>• Measuring Insulation Resistance</li><li>• Cleaning &amp; Baking Process</li></ul>	4:45	<b>Depart for Niagara Falls, NY,</b> <b>for dinner and sightseeing</b>
12:00	<b>Lunch at PCB Piezotronics</b>	7:00	<b>Dinner at Seneca Casino, courtesy of PCB®</b>
		9:30	<b>Bus departs from Casino,</b> back to Holiday Inn Buffalo Airport

Please submit completed form via e-mail: [agrande@pcb.com](mailto:agrande@pcb.com) or  
fax to 716-684-0987 to the attention of Alyson Grande.  
For further assistance, call 866-816-8892, ext. 2628 or e-mail: [agrande@pcb.com](mailto:agrande@pcb.com)

## PCB®/SAAMI Members Training Registration Form

Training: **"Ballistic Pressure Sensors User' Group"**  
Presented by: Bob Metz  
Dates: Wednesday, June 18th, 2014  
Location: Buffalo, New York, USA  
Venue: Holiday Inn Buffalo Airport  
4600 Genesee St., Cheektowaga, NY 14225

There will be a Welcome Reception at the  
Holiday Inn Buffalo Airport  
on Tuesday, June 17th from 5:30 - 8:00pm.

Will you be joining us?

RSVP: \_\_\_\_\_ YES \_\_\_\_\_ NO

### Attendee Registration Form

Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Company: \_\_\_\_\_ Primary Industry: \_\_\_\_\_  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ E-mail: \_\_\_\_\_

**Payment Details:** Cost: **\$200.00** per person (includes training materials, meals, and entertainment)

Select Payment Type:  Company Check (Payable to PCB Piezotronics, Inc.)  
 VISA  MasterCard  American Express

Credit Card Number: \_\_\_\_\_

Name on Card: \_\_\_\_\_

Exp. Date: \_\_\_\_\_

Company PO PO # \_\_\_\_\_

(attach copy of company purchase order with billing instructions)

**Mail payment or PO to: Alyson Grande, PCB Piezotronics, Inc. 3425 Walden Ave., Depew, New York 14043 USA**

**Lodging:** A block of specially discounted rooms (\$89.00 per night) has been set aside at the Holiday Inn Buffalo Airport. Should you desire lodging, contact the hotel directly by calling (716)634-6969. Free shuttle service is available to this hotel from the Buffalo Niagara International Airport. Car rental is not necessary.

What is your main purpose in attending this seminar? \_\_\_\_\_

Please list any topics of interest (test set-up, analysis, measurement, design) that you wish to be addressed: \_\_\_\_\_

Do you wish to have a one-on-one discussion with a PCB Product Manager or Application Engineer at the conclusion of the training, (Thursday, June 19th) \_\_\_\_\_ Yes Area of interest? \_\_\_\_\_