



	<p>Speaker Biography</p> <p>Dr. Phillip L. Reu is a Principal Member of Technical Staff at Sandia National Laboratories. He has obtained a Master's degree in Biomedical engineering from Rensselaer Polytechnic Institute and Masters and PhD degrees from the University of Wisconsin at Madison in Mechanical Engineering. Since 2003 he has been working in the field of optical measurement techniques, specializing in the areas of Digital Image Correlation (DIC) and coherent laser measurements. Current research efforts in DIC are focused on uncertainty quantification. Phillip is the author of the "Art and Application of DIC" in the journal of Experimental Techniques, international instructor in DIC techniques for "Metrology beyond colors", and chair of the DIC Challenge. Other areas of active research include pulsed holography and electron Doppler velocimetry for nano-dynamics. His current job is full-scale testing at Sandia, where he is developing new techniques for large-scale and high-rate full-field measurements for application to explosively driven events.</p>
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