Introduction to the Special Issue

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This special issue presents papers from the 16th biennial International Coating Science and Technology (ISCST) Symposium which was held in Atlanta, GA on September 10–12, 2012, and attended by some 177 participants from all over the world. The ISCST biennial symposia are the world's premier forums for presenting advances in the mechanisms and process technology needed for applying wet-coated layers. Information about previous symposia, including extended abstracts, can be found at the ISCST website (www.iscst.org).

In this special issue, we present a selection of papers from authors who were kind enough to prepare full versions of the talks they presented at the conference. These papers, which were reviewed by the Editorial Review Board of the *Journal of Coatings Technology*

and *Research*, examine fundamental aspects of coating science and technology to help understand the processes associated with the deposition of wet coatings to solid substrates for a variety of applications, including the production of lithium ion battery electrodes, OLEDs, polymer-based solar cells, and optical substrates. The key elements in the papers are the consideration of the fluid mechanics of coating flows, including dynamic wetting and the subsequent drying of the films formed, and how these are visualized, measured, and modeled to advance our understanding in relation to previous research.

I hope that JCTR's readers will find these articles helpful in enabling them to understand some of the important issues of thin liquid film coating and drying.

Guest Editor: Professor Hadj Benkreira (ISCST, Vice-President (Europe), 2010–2012).

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