

Introduction to Aerodynamic Measurement Techniques

IN this issue of the *AIAA Journal*, we bring you papers on aerodynamic measurement techniques. The papers are based on presentations made in the Aerodynamic Measurement Technique Conference, organized by the AMT-Technical Committee (TC) in Reno at the 42nd Aerospace Sciences meeting held in January 2004. In almost every case, the papers underwent extensive refinement and updating in the rigorous peer review process, and they go well beyond the original paper. A role of the AMT-TC is to report “Advanced measurement techniques for aerodynamic research in flight and ground-based facilities [including] surface and flowfield aerodynamic measurements, visualization methods, and related data

acquisition techniques for all flow speeds and gas dynamic environments.” These papers represent that role well; they include a broad cross section of techniques in flows ranging from subsonic to hypersonic flow, and they provide a snapshot of the state of the art in areas such as global measurement methods, laser Doppler, planar Doppler, pressure-sensitive paint, and spectroscopy. For an even broader look at this area of aerodynamics the reader is invited to visit our web page at <http://www.aiaa.org/tc/amt/>.

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