experienced in wind loads on buildings and familiar with the usage of these databases is recommended.

All databases must have been obtained using testing methodology that meets the requirements for wind tunnel testing specified in Chapter 31.

REFERENCES

American Society of Civil Engineers (ASCE). (1999). *Wind tunnel model studies of buildings and structures,* American Society of Civil Engineers, New York, Manual of Practice, No. 67.

Boggs, D. W., and Peterka, J. A. (1989). "Aerodynamic model tests of tall buildings." *J. Engrg. Mech.*, 115(3), 618–635.

Cermak, J. E. (1977). "Wind-tunnel testing of structures." *J. Engrg. Mech. Div.*, 103(6), 1125–1140.

Ho, T. C. E., Surry, D., Morrish, D., and Kopp, G. A. (2005). "The UWO contribution to the NIST aerodynamic database for wind loads on low buildings: Part 1. Archiving format and basic aerodynamic data." *J. Wind Engrg. Industrial Aerodynamics*, 93, 1–30.

Irwin, P., Garber, J., and Ho, E. (2005). "Integration of wind tunnel data with full scale wind climate." *Proceedings of the 10th Americas Conference on Wind Engineering,* Baton Rouge, Louisiana.

Isyumov, N., Mikitiuk, M., Case, P., Lythe, G., and Welburn, A. (2003). "Predictions of wind loads and responses from simulated tropical storm passages," *Proceedings of the 11th International Conference on Wind Engineering,* D. A. Smith and C. W. Letchford, eds.,

Lepage, M. F., and Irwin, P. A. (1985). "A technique for combining historical wind data with wind tunnel tests to predict extreme wind loads." *Proceedings of the 5th U.S. National Conference on Wind Engineering,* M. Mehta, ed.

Main, J. A., and Fritz, W. P. (2006). *Database-assisted design for wind: Concepts, software, and examples for rigid and flexible buildings,* National Institute of Standards and Technology: NIST Building Science Series 180.

Reinhold, T. A., ed. (1982). "Wind tunnel modeling for civil engineering applications." In *Proceedings of the International Workshop on Wind Tunnel Modeling Criteria and Techniques in Civil Engineering Applications,* Cambridge University Press, Gaithersburg, Md.

Rigato, A., Chang, P., and Simiu, E. (2001). "Database-assisted design, standardization, and wind direction effects," *J. Struct. Engrg.*, 127(8), 855–860.

Simiu, E., and Filliben, J. J. (2005). "Wind tunnel testing and the sector-by-sector approach to wind directionality effects." *J. Struct. Engrg.*, 131(7), 1143–1145.

Simiu, E., and Miyata, T. (2006). *Design of buildings and bridges for wind: A practical guide for ASCE standard 7 users and designers of special structures,* Wiley, Hoboken, N.J.

Simiu, E., Sadek, F., Whalen, T. A., Jang, S., Lu, L.-W., Diniz, S. M. C., Grazini, A., and Riley, M. A. (2003). "Achieving safer and more economical buildings through database-assisted, reliability-based design for wind." *J. Wind Engrg. Industrial Aerodynamics,* 91, 1587–1611.

St. Pierre, L. M., Kopp, G. A., Surry, D., Ho, T. C. E. (2005). "The UWO contribution to the NIST aerodynamic database for wind loads on low buildings: Part 2. Comparison of data with wind load provisions." *J. Wind Engrg. Industrial Aerodynamics,* 93, 31–59.