



Computational Structural Engineering: Proceedings of the International Symposium on Computational Structural Engineering, held in Shanghai, China, June 22–24, 2009

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Following the great progress made in computing technology, both in computer and programming technology, computation has become one of the most powerful tools for researchers and practicing engineers. It has led to tremendous achievements in computer-based structural engineering and there is evidence that current developments will even accelerate in the near future. To acknowledge this trend, Tongji University, Vienna University of Technology, and Chinese Academy of Engineering, co-organized the International Symposium on Computational Structural Engineering 2009 in Shanghai (CSE'09). CSE'09 aimed at providing a forum for presentation and discussion of state-of-the-art development in scientific computing applied to engineering sciences. Emphasis was given to basic methodologies, scientific development and engineering applications. Therefore, it became a central academic activity of the International Association for Computational Mechanics (IACM), the European Community on Computational Methods in Applied Sciences (ECCOMAS), The Chinese Society of Theoretical and Applied Mechanics, the China Civil Engineering Society, and the Architectural Society of China. A total of 10 invited papers, and around 140 contributed papers were presented in the proceedings of the symposium. Contributors of papers came from 20 countries around the world and covered a wide spectrum related to the computational structural engineering.

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Computational Structural Engineering: Proceedings of the International Symposium on Computational Structural Engineering, held in Shanghai, China, June 22–24, 2009 From Springer Bibliography

- Rank: #12438901 in Books
- Published on: 2009-07-09
- Original language: English
- Number of items: 2
- Dimensions: 2.10" h x 6.50" w x 9.30" l, 5.10 pounds
- Binding: Hardcover
- 1307 pages

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