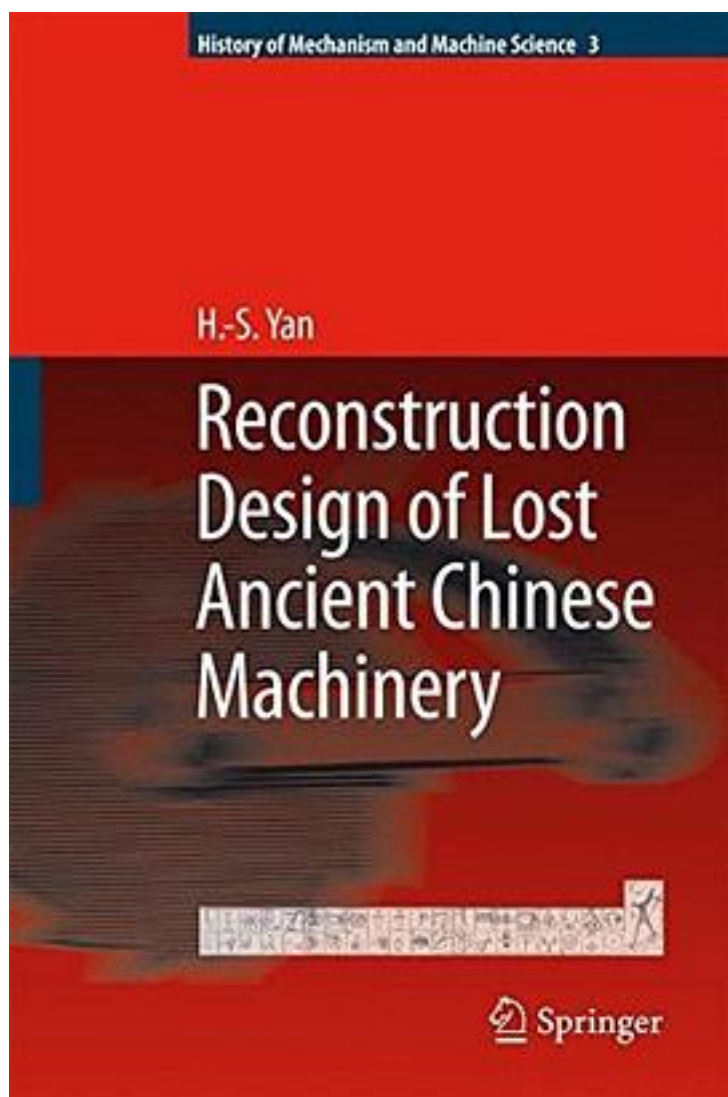


Reconstruction Designs of Lost Ancient Chinese Machinery



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outh pointing chariots, walking machines and the astronomical mechanical clock are all used as illustrated examples in this fascinating and unique study of lost machinery in ancient China. This is the first book of its kind, combining creative mechanism design methodology with mechanical evolution and variation theory to set out how some ancient designs can be recreated. Furthermore the book reflects on how age-old wisdoms could stimulate stunning new machinery in the future.

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Professor Hong-Sen YAN received his BS degree from National Cheng Kung University (Tainan, Taiwan) in 1973, MS degree from the University of Kentucky (Lexington, Kentucky, USA) in 1977, and PhD degree from Purdue University (Lafayette, Indiana, USA) in 1980, all in mechanical engineering.

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Dr. Yan's areas of interests are creative mechanism and machine design and ancient Chinese machinery. He has published more than 275 papers, holds 48 patents, and is the author of 3 books. Dr. Yan received many honors and academic awards inside and outside Taiwan, and he has a hobby of collecting ancient Chinese Locks.

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