BOOK FLYER

VENICE SHALL RISE AGAIN

Engineered Uplift of Venice through Seawater Injection

Giuseppe Gambolati and Pietro Teatini

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This book is authored by Profs. Gambolati and Teatini who, for decades, have carefully studied the geology and the groundwater phenomena in the region surrounding the city of Venice in Northeastern Italy. They discuss a recently proposed, daring, and innovative engineering approach that could create a substantial elevation of the ground surface of the region and, consequently, a mitigation of the periodic flooding of the city.

The authors are top leaders in the field of computer simulation modeling of soil and groundwater phenomena. The results of their computer simulations are astonishingly encouraging: the goal of elevating the ground surface is achievable; the cost is not tremendous; the risks seem inexistent.

However, the beauty of the book does not just lie in its explanation of the very rigorous and detailed computer simulations and numerical tests performed by the authors. The real beauty is in the huge and successful effort by the authors to present a beautiful, eclectic summary of the history of Venice, its artistic production, and its political evolution, as it relates to the hydraulic engineering challenges that Venetians have faced through the centuries, and the ways they have managed and modified their Lagoon.

The electronic book is made in Adobe Acrobat's PDF files that can be examined using Adobe Acrobat Reader (which can be *freely downloaded*). The reader can use any computer platform (PC/Mac/Unix). Navigation is straightforward. The book is complete with hypertext links, references, website and email pointers, graphics, animations, and information about chapter authors including curriculum vitae, biographies, and pictures. The Table of Contents and the order form are presented below.

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