

The Committee on Ancient Roman Concrete,  
JSCE  
(Com-No. 114)



Mt. Vesuvius

*The Committee on Roman Concrete (Com-No. 114)* is one of the special subcommittees in the Concrete Committee, Japan Society of Civil Engineers (JSCE). This committee has been chaired by Prof. E. Sakai, Tokyo Institute of Technology, and advanced by seven active members. Also, this committee is supervised by Dr. M. Aoyagi, Director-general of the National Museum of Western Art of Japan and Dr. Matsuyama, University of Tokyo.



Pompeii

The purpose of this committee is to investigate the long-term durability of concrete, focusing especially on the material phase. In addition, the important mission of this committee is to reflect the results of these investigations for the development of society, public welfare, growth of civil engineering, and concrete engineering.

This committee also relates to the standard specifications for design and construction of concrete structures such as huge concrete structures for storage of nuclear waste which greatly require long-term durability performance.



Ancient Roman Concrete in Pompeii

It is well known that concrete deteriorates due to rain, CO<sub>2</sub> in the air, and chloride ion in seawater. Therefore, the properties of concrete remarkably change due to their long history of exposure condition, although their performances were the same at the initial stage.

From these viewpoints, it is quite important to collect as much aged concrete samples as possible. Ancient Roman concrete would surely contain many useful and important information.



Huge concrete structures for storage of nuclear waste in Japan (Rokkasho, Aomori)

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#### The Committee on Roman Concrete (Com-No. 114), JSCE

- Chairman: **E. Sakai**, Tokyo Institute of Technology
- Supervisors: **M. Aoyagi**, Director-general, the National Museum of Western Art of Japan  
**S. Matsuyama**, University of Tokyo
- Members: **K. Asaga**, Teikyo University  
**Y. Imoto**, Central Research Institute of Electric Power Industry  
**H. Fujita**, Taiheiyo Cement, Co.  
**T. Mishima**, Maeda Construction, Co.  
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- Secretary: **M. Hisada**, Tohoku University