# 中国工程建设标准化协会建筑振动专业委员会

## 邀请参加《建筑振动工程实例》（第二卷）编写的通知

有关单位及专家:

由中国工程建设标准化协会建筑振动专业委员会主任委员徐建院士主编、中日德法多国专家共同完成的《建筑振动工程实例》（第一卷）已由中国建筑工业出版社出版发行（附件 1），本书首次将国内外多领域工程振动控制技术分析汇总，是对我国和国际上不同阶段工程振动控制技术进行总结的成功尝试，发行后社会反响较大，对指导我国振动控制领域工程建设和掌握国际相关技术发展方向具有重要作用。

经中国建筑工业出版社同意，拟继续组织出版《建筑振动工程实例》（第二卷），本卷将吸纳国内、国际先进振动控制技术应用案例，特邀请国内外从事工程振动控制的科技和工程技术专家参加本书的编写工作。

请各位专家参照编写大纲（附件 2）的要求精选工程实例，工程实例必须已竣工运行并具有最终振动测试结果，选取的工程实例无知识产权争议且符合国家保密规定。请于 2022 年 11 月 30 日前将实例初选表（附件 3）发送至联系人。

联系人：黄　伟　18201263768　huangweiac@126.com

王建宁　13717878979　wangjianninghebut@163.com

附件：1.《建筑振动工程实例》（第一卷）样书

2.《建筑振动工程实例》（第二卷）编写大纲

3.《建筑振动工程实例》（第二卷）实例初选表

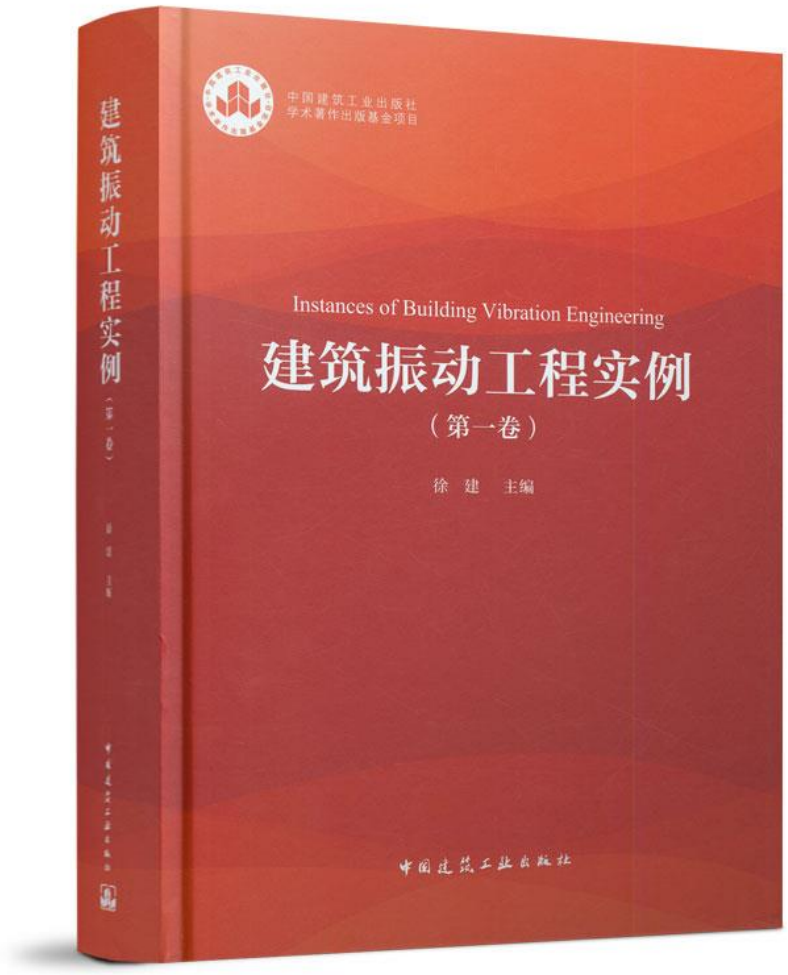
中国工程建设标准化协会

建筑振动专业委员会

2022 年 9 月 26 日

附件 1

# 《建筑振动工程实例》（第一卷）样书



附件 2

# 《建筑振动工程实例》（第二卷）编写大纲

**第一章 动力机器基础振动控制**

（包括各类隔振与非隔振动力机器基础等）

**第二章 精密装备工程微振动控制**

（包括精密装备及工程的微振动控制等）

**第三章 建筑结构振动控制**

（包括建筑物及构筑物的结构振动控制、人体舒适性等）

**第四章 交通工程振动控制**

（包括交通振动及传播的控制，以及对建筑影响的控制等）

**第五章 古建筑振动控制**

（包括交通、机器、人行等振动对古建筑影响的振动控制等）

**第六章 建筑工程振震双控**

（包括毗邻地铁交通的建筑、高精密高价值的装备等承受振动和地震共同作用时的控制等）

**第七章 工程振动测试**

（包括建筑物与构筑物、工业装备的强振动和微振动响应测试，结构和地基动力特性测试，结构振动监测和预警等）

**第八章 振动诊断与治理**

（包括建筑物与构筑物、工业装备的振动诊断、振动治理等）

## 第九章 国家大科学工程及重大基础设施振动控制

（包括各类国家大科学工程及重大基础设施，如高能同步辐射光源、硬 X 射线自由电子激光装置、超重力离心模拟与试验装置、超大口径射电望远镜、大型风洞试验装置振动控制等）

## 第十章 特殊工程的振动控制

（包括特殊工况、特殊装置、特殊要求工程的振动控制）

附件 3

# 《建筑振动工程实例》（第二卷）实例初选表

<table>
<tr><td rowspan="3">撰　写<br>人　员<br>信　息</td><td>姓　　名</td><td></td><td>职称/职务</td><td></td></tr>
<tr><td>工作单位</td><td colspan="3"></td></tr>
<tr><td>手　　机</td><td></td><td>电子信箱</td><td></td></tr>
<tr><td>所属章</td><td></td><td>项目名称</td><td colspan="2"></td></tr>
<tr><td colspan="5">项目概况与难点及振动控制要求</td></tr>
<tr><td colspan="5">振动控制方法与实施效果</td></tr>
</table>

（每个项目限一张）

*Committee of Architectural Vibration*
*China Association for Engineering Construction Standardization*

# Invitation to participate in the preparation of *Instances of Building Vibration Engineering (Volume II)*

Relevant organizations and experts,

*Instances of Building Vibration Engineering (Volume I)* (Attachment A), edited by Xu Jian, a member of the *Chinese Academy of Engineering (CAE)* & Chairman of the *Committee of Architectural Vibration, China Association for Engineering Construction Standardization*, has been published by *China Architecture Publishing & Media Co., Ltd.*, and this book is jointly completed by many famous experts from China, Japan, Germany and France. The book is the first time to summarize the engineering vibration control technology in multiple fields at home and abroad. At the same time, it is a successful attempt to analyze the advanced engineering vibration control technology in the world. The publication of this book has aroused great social repercussion, which will be of great significance to guide the engineering construction of vibration control and grasp the development direction of related advanced technology worldwide.

Approved by *China Architecture Publishing & Media Co., Ltd.*, it is planned to organize and publish *Instances of Building Vibration Engineering (Volume II*). We sincerely invite domestic and foreign experts engaged in engineering vibration control to participate in the compilation. Experts are invited to select engineering instances according to the outline requirements (Attachment B) before submitting. All instances should be in operation and have final vibration test results, and should be free of intellectual property disputes and in compliance with relevant confidentiality regulations.

Please submit the Preliminary collection table (Attachment C) before Nov. 30, 2022. You can contact the editorial office by email with questions at huangweiac@126.com or wangjianninghebut@163.com.

**Editorial office:**

Huang Wei 18201263768 huangweiac@126.com

Wang Jianning 13717878979 wangjianninghebut@163.com

**Attachment A:** Sample book of *Instances of Building Vibration Engineering (Volume I)*

**Attachment B:** Outline of *Instances of Building Vibration Engineering (Volume II)*

**Attachment C:** Preliminary collection table of *Instances of Building Vibration Engineering (Volume II)*

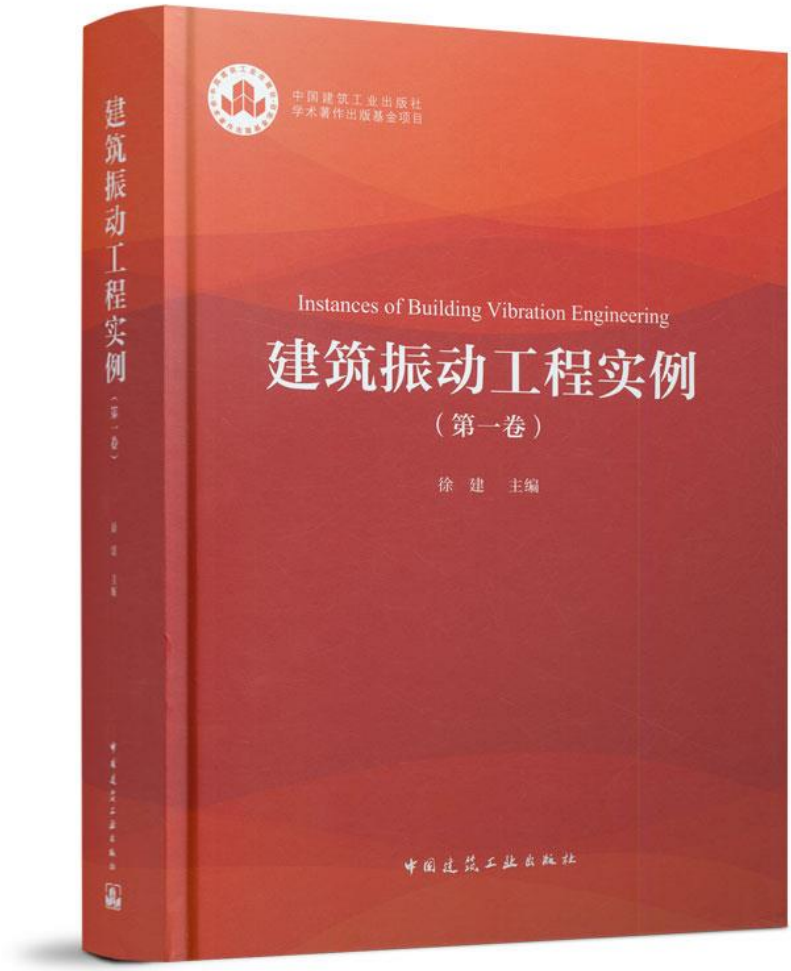
Committee of Architectural Vibration

China Association for Engineering Construction Standardization

Sep. 26, 2022

**Attachment A:**

**Sample book of *Instances of Building Vibration Engineering (Volume I)***



*Attachment B:*

## Outline of *Instances of Building Vibration Engineering (Volume II)*

**Chapter 1 Vibration Control of dynamic machine foundation**

(Including various vibration isolation and non-vibration isolation dynamic machine foundations, etc.)

**Chapter 2 Micro-vibration control of precision equipment engineering**

(Including precision equipment and micro-vibration engineering, etc.)

**Chapter 3 Vibration control of building structure**

(Including structural vibration control and human comfort, etc.)

**Chapter 4 Vibration control of traffic engineering**

(Including vibration control of traffic vibration and transmission, and generated vibration impact on building, etc.)

**Chapter 5 Vibration control of ancient buildings**

(Including vibration control of the impact on ancient buildings of traffic, machines, pedestrians, etc.)

**Chapter 6 Dual control for engineering vibration and seismic vibration of building engineering**

(Including the dual control for engineering vibration and seismic vibration of buildings adjacent to subway traffic, and dual control for high-precision and high-value equipment)

**Chapter 7 Engineering vibration test**

(Including strong vibration and micro-vibration response test of buildings, structures, and industrial equipment, dynamic characteristics test of structures and foundations, structural vibration monitoring and early warning, etc.)

**Chapter 8 Vibration diagnosis and treatment**

(Including vibration diagnosis and treatment of buildings, structures, and industrial equipment, etc.)

**Chapter 9 Vibration control of National Major Science Project and Major Infrastructure**

(Including vibration control of various National Major Science Projects and Major Infrastructures, such as High Energy Photon Source (HEPS), Centrifugal Hyper-gravity and Interdisciplinary Experiment Facility (CHIEF), Five-hundred-meter Aperture Spherical radio Telescope (FAST), large-scale wind tunnel test device, and hard X-ray free electron laser device, etc.)

**Chapter 10 Vibration control for special engineering**

(Including vibration control for complex projects with special working conditions, devices, and requirements, etc.)

**Attachment C:**

**Preliminary collection table of *Instances of Building Vibration Engineering (Volume II)***

<table>
<tr><td rowspan="3">Author's Information</td><td>Name</td><td></td><td>Country</td><td></td></tr>
<tr><td>Employed organization</td><td colspan="3"></td></tr>
<tr><td>Phone number</td><td></td><td>E-mail</td><td></td></tr>
<tr><td>Chapter number</td><td colspan="4"></td></tr>
<tr><td>Project name</td><td colspan="4"></td></tr>
<tr><td colspan="5">Project information, such as basic information, difficulties and vibration control requirements, etc.</td></tr>
<tr><td colspan="5">Vibration control strategy and effect of implementation</td></tr>
</table>

(One page is limited for each project)