

## Introduction

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### INTRODUCTION

The session was organized by Bruce Bolt, Gerald Brady and Dario Rinaldis, with local coordinator Xavier Goula. Several months prior to the session, ten invited speakers were confirmed, and, closer to the meeting date, an additional 35 were invited to attend. Close to 50 actually attended the session. One hour and 40 minutes for the invited speakers, a 20-minute break, and one and a half hours of open discussion were scheduled. A preliminary background information statement was sent to all invited participants.

### BACKGROUND

The goal of the session was to bring together researchers involved in the acquisition, processing, and distribution of strong-motion data, to improve its quality and distribution. One of the main problems in the investigation of the earthquake-resistant design of structures is the proper selection of ground motions produced by the "design earthquake". A strong ground motion record, in order to be a reliable tool for engineers and seismologists, needs to be judged against others in a qualified standard format where the relevant event, station, instrument and the record itself are detailed. Furthermore, a suitable record should have been processed by thoroughly tested and accepted processing routines. Digital technology advances have permitted great strides in strong-motion recording. Many manufacturers, with new instruments and their own processing routines, clamor for the attention of network operations staff. This puts a further burden on network managers, in their desire for production and dissemination of first-class data. The workshop was designed to bring these points to the attention of the attendees.

### PROGRAM

To cover satisfactorily the maximum number of topics in the allotted time, the session was divided into three topics with the listed speakers:

DATABASES AND DATA BANKS (that is, the database management system (DBMS) software and the data, respectively)

A. G. Brady (USGS, USA)  
B. Mohammadioun (CEN, Fontenay-aux-Roses, France)  
M. Sugito (Kyoto U, Japan)  
A. Shakal (CDMG, USA)

### DATA PROCESSING

X. Goula (GSC, Barcelona, Spain)  
K. Kudo (ERI, U Tokyo, Japan)  
K. Toki (DPRI, Kyoto U, Japan), presented by  
S. Sawada

### NEW INSTRUMENTATION AND ARRAYS

B. Bolt (UC Berkeley, USA)  
D. Rinaldis (ENEA, Rome, Italy)  
Y. T. Yeh (IES, Taiwan)

The Panel session was chaired by B. Bolt, A.G. Brady, X. Goula and D. Rinaldis.