

OIL GEOPHYSICAL PROSPECTING

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• 消息 •

美国勘探地球物理学家第 60 届年会在旧金山召开

美国勘探地球物理学家学会于 1990 年 9 月 23 日至 9 月 27 日在美国旧金山召开了第 60 届年会。会上共发表了 441 篇论文, 另有张贴论文 57 篇。这些论文涉及地球物理勘探的各个领域, 诸如井中地球物理; 重、磁、电勘探技术; 工程物探; 人工智能以及地震勘探的野外采集、资料处理和解释技术等。这些论文基本上展示了当前物探技术的新成果和新水平, 基本上反映了近期内物探领域的主要技术发展方向。

会议期间还举办了大型技术装备展览, 约有 266 家公司和院校的产品及研究成果参展。展出的内容十分丰富, 包括地震勘探的运载工具、震源、钻机、仪器、计算机等。要特别指出的是, 许多地球物理公司都展示了他们最新研制的工作站。从现场表演可以看出, 这些工作站用于地震资料处理和解释的功能更加完善。工作站的数据处理主要是和大型计算机联网通过人机交互进行, 通常用于野外记录的编辑、速度分析、静校正试验和选择各种处理参数等。功能较强的工作站也可单独用于二维和三维资料的处理。

从宣读的论文内容来看, 主要偏重研究复杂地区的物探方法, 尤其是研究岩性和复杂构造的成像技术。研究岩性的课题较广, 有 AVO 技术、井间地球物理技术、地震反演、多波研究及油藏描述和监测技术等。关于复杂构造的成像主要是偏移技术。目前主要是研究叠前二维和三维的深度偏移。有关这方面的论文多数又集中在研究如何求准速度参数和提高处理速度这两个方面。

从设备发展现状来看, 解决复杂地质问题的能力也越来越强, 这不仅表现在大型计算机的广泛应用, 而且也表现在工作站的功能不断扩展和完善。

以陆邦干为团长的中国石油地球物理学家代表团应邀出席了这届年会, 团员有钱荣钧、彭亮远和吴仁山。

钱荣钧