



CHART

April 2002

Modern Control Room Design

By Romel Bhullar and Bruce Carlisle of Fluor Daniel

Presentation:

Romel and Bruce will discuss issues related to designing a modern control room. Most control rooms in the existing refineries, chemical plants and power plants were designed to house pneumatic/electronic instrumentation. Issues relating to modern organization structure, human behavior, ergonomics, work stress, integration and relationships were mostly ignored, thus the environments created are highly stressful and not operator friendly. Even technical issues are not given serious thought and consequences of inadequate design are not realized. Operators are expected to display peak performance, stay alert and make split-second critical decisions, which affect human safety and have serious economic consequences. Romel and Bruce will also discuss what should be considered when designing control rooms in modern facilities and how to meet their growth needs in terms of technology and performance.



Speakers:

Romel Bhullar is a technical director in the Control Systems division of Fluor Daniel Corporation in Southern California. He has a Masters degree in chemical engineering from the University of Southern California and an MBA from National University. Romel has over 25 years of extensive refinery, chemical plants and power industry experience. Romel has designed and commissioned many different types of plants worldwide.

Bruce Carlisle is a principal engineer in the Control Systems division of Fluor Daniel Corporation in Southern California. He has more than 25 years of extensive refinery, chemical plants and power industry experience. Bruce has led the design of many different types of plants..

Sponsors:

- Jensen Instruments
- Velan/EVI Valves
- Birmingham Controls
- Dresser Measurements

Meeting Notes:

- **Check out our web Site www.isa.org/~oranc/**
- Date Wednesday, April 10, 2002
- Place: Park Place CN-10 (37-10), 3353 Michelson Dr., Irvine, CA 92612
- Time: Social hour 5 p.m. ■ Technical Program 5:45 p.m.

Mark Your Calendars

ISA Western Regional
Conference and Exhibition
Las Vegas Convention Center
June 18-19, 2002

Mark Your Calendars

Saturday, May 04, 2002 — OPC Education Seminar
“OLE for Process Control (OPC)”