



EUCHEM Conference on Stereochemistry Brunnen, Switzerland

'Bürgenstock Conference'

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30th ESF/Euchem Conference on Stereochemistry Bürgenstock, April 30 - May 6, 1995

President: **Helmut Schwarz**
Vice-President: **François Diederich**
Guest of Honor: **André Dreiding**

M A Fox I Willner	MONDAY Morning Session – Moderator: D N Reinhoudt Synthetic polymers for directional electron transfer Light-regulated molecular, macromolecular and protein assemblies: en-route to chemical devices
M N Paddon-Row	MONDAY Evening Session – Moderator: S Shaik The character of long-range intramolecular electron transfer: to be or not to be? That was the question!
T A Steitz P B Moore	TUESDAY Morning Session – Moderator: C Leumann A two-metal-ion mechanism of phosphoryltransfer for nucleases, polymerases and RNA splicing Prokaryotic loop E and the sarcin/ricin loop: a tale of two motifs
R W Hoffmann	TUESDAY Evening Session – Moderator: B Giese Flexible molecules with defined shape
G Ertl M McBride	WEDNESDAY Morning Session – Moderator: J D Dunitz Self-organization in surface reactions Stereochemical aspects of the low-temperature decomposition of crystalline high explosives
E C Constable R G Bergman	THURSDAY Morning Session – Moderator: Y Apeloig Self-assembly at the organic-inorganic interface: from molecules to materials Activation of carbon-hydrogen bonds using organo-transition metal complexes
S J Lippard	THURSDAY Evening Session – Moderator: G Ourisson Non-heme iron and the biological oxidation of methane
P Chen	FRIDAY Morning Session – Moderator: F Diederich Experimental and theoretical studies of 1,4-biradicals: model compounds for the activated forms of enediyne antitumor antibiotics
J Michl	The molecular construction kit approach to covalent thin-layer materials
B K Sharpless	FRIDAY Evening Session – Moderator: F Diederich On the mechanism of the osmium-catalyzed asymmetric dihydroxylation