

8

UNCLASSIFIED

Concatenated JPRS Reports, 1991

Document 1 of 1

Page 1

BRS Assigned Document Number: 000003877

AFS Number:	92MI0009	Entry Date:	
Classification:	UNCLASSIFIED	Status:	[STAT]
Language:	German	Country:	
Document Date:	09 Sep 91	Category:	[CAT]
Report Type:	JPRS Report	Report Date:	14 Nov 91
Report Number:	JPRS-EST-91-023	UDC Number:	
Report Series:	Science & Technology	Start Page:	15
Report Division:	WEST EUROPE	End Page:	16
Report Subdivision:	S&T POLICY		

City/Source of Document: Munich MPG SPIEGEL

Report Name: Europe

Headline: Max Planck Society Finds Physics Institute in Eastern Germany

Source Line: 92MI0009 Munich MPG SPIEGEL in German 9 Sep 91 pp 15-16

FULL TEXT OF ARTICLE:

1. [Text] At its session on 6 June 1991 in Berlin, the senate of the MPG [Max Planck Society] resolved in principle-with reference to the Science Council recommendation of 13 March 1991-to found a Max Planck Institute in Halle, the first in the new federal laender, to work on solid-state physics and electron microscopy. This resolution, which is subject to a guarantee of financing, still requires further elaboration.
2. The senate of the MPG also resolved at the same session to found three further MPG teams at universities in the new federal laender and in eastern Berlin:
3. · MPG Team on Quantum Chemistry at the Brandenburg Regional College [Landeshochschule] in Potsdam, or at Rostock University.
4. Head: Dr. Joachim Sauer, head of the Quantum Chemistry team at the Central Institute of Physical Chemistry, Berlin (formerly the GDR Academy of Sciences).
5. Partner Institute: Max Planck Institute of Solid-State Research in Stuttgart
6. Outline Description: Dr. Sauer (born in 1949), a chemist, has published pioneering work on the quantum-mechanics treatment of the interaction of molecules on internal surfaces of zeolites, a complex scientific project of wide-ranging practical significance. His team

Approved for Release
Date APR 1997

UNCLASSIFIED

Concatenated JPRS Reports, 1991

Document 1 of 1

Page 2

is to clarify elementary chemical processes in which solid materials and their surfaces are involved, using a combination of quantum chemical ab initio techniques and computer simulation methods.

7. · MPG Team on Theory of Low-Dimension Semiconductors at the Humboldt University, Berlin.

8. Head: Dr. Roland Zimmermann, head of the Department of Theoretical Solid-State Physics at the Central Institute of Electron Physics, Berlin (formerly the GDR Academy of Sciences).

9. Partner Institute: Max Planck Institute of Solid-State Research in Stuttgart.

10. Outline Description: Dr. Zimmermann (born in 1942), a physicist, has made his name in science with major contributions on nonlinear phenomena, transport properties, and electron-hole fluid models. Among other topics, his MPG team will also be working on the theory of "quantum wires" (unidimensional conduction structures in semiconductors) and polymer chains.

11. · MPG Team on CO₂ Chemistry at the University of Jena

12. Head: Dr. Eckhard Dinjus of the Technical Chemistry department in the Chemistry Section of Jena University.

13. Partner Institute: Max Planck Institute of Carbon Research in Muelheim/Ruhr.

14. Outline Description: Dr. Dinjus (born 1944), a chemist, has published major work in the past 12 years on the topical area of metal-catalytic carbon dioxide conversion. His team is to research the catalysis cycle in the incorporation of CO₂ into organic substrates, and to optimize this process with the intention of making CO₂, which combustion processes give off in large quantities, usable as a component for chemical syntheses.

UNCLASSIFIED