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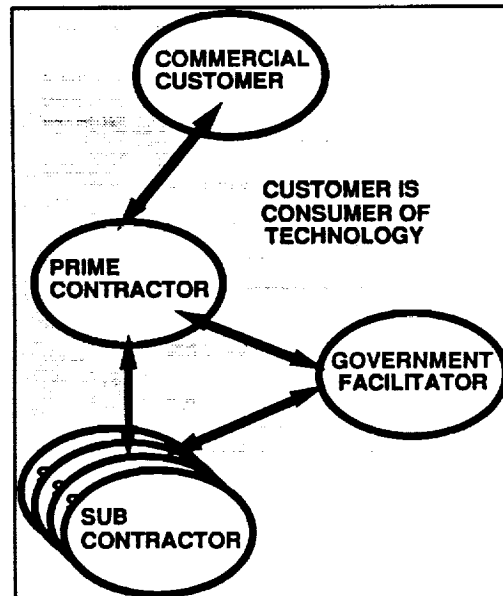
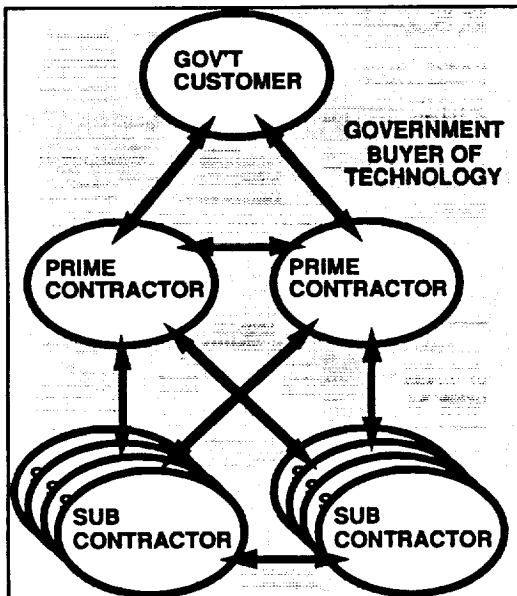
CIVIL SPACE TECHNOLOGY TRANSFER WORKSHOP

Joseph Gernand



MARCH 17 - 19, 1992

TWO TECHNOLOGY PARTNERSHIP MODELS FOR CONSIDERATION



SUCCESSFUL TEAMS SHARE INFORMATION



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COMPETITIVE MARKET PLACE NECESSITATES SOME BARRIERS

ISSUES TO TECH TRANSFER	PROTECTIVE BARRIERS
<p>INTELLECTUAL PROPERTY RIGHTS</p> <p>NATIONAL SECURITY</p> <p>MARKET NICHE OR SHARE</p>	<p>PATENT LAWS</p> <p>MUNITIONS CONTROL ACT</p> <p>PROPRIETARY INFORMATION AGREEMENTS</p>

**COOPERATION TOWARD COMMON GOAL REQUIRES
CONTROL IN THE SHEARING OF PRIVATE INFORMATION**



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MANY BARRIERS ARE UNNECESSARY AND DETRIMENTAL

HUMAN
"NO NEW TECHNOLOGY" PROGRAMS
NIH
IGNORANCE
"IF IT ISN'T BROKE DON'T FIX IT"

INSTITUTIONAL
POOR DISSEMINATION PRACTICES
LIMITED INFORMATION DATA BASING AND CONSOLIDATION
NO LINK BETWEEN TECHNOLOGY & STRATEGIC PLANNING
LIMITED RESEARCH DURING EARLY PROGRAM PHASES



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MANY PROGRAMS EXIST TO FACILITATE TECHNOLOGY TRANSFER AMONG GOV'T AND INDUSTRY USERS

MODELS

MANTECH

TECHNOLOGY UTILIZATION

WORKING GROUPS

**PUBLICATIONS (TECH BRIEFS, SPIN-OFFS,
TECHNICAL REPORTS, ETC.)**

**ARE THESE AND THE MANY OTHER SIMILAR PROGRAMS
MEETING THE TECHNOLOGY TRANSFER REQUIREMENTS
OF THE 2 PARTNERSHIP MODELS ?**



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**ARE THERE ADEQUATE TECHNOLOGY TRANSFER
MECHANISMS FOR THE TWO MODELS ?**

WHAT ARE THE MODELS TECHNOLOGY TRANSFER REQUIREMENTS ?

HOW SHOULD THE SUCCESS OF APPROACHES BE MEASURED ?

**WHAT SHOULD BE DONE (IF ANYTHING) TO IMPROVE / AUGMENT /
SUPPLEMENT THE EXISTING APPROACHES ?**



MARCH 17 - 19, 1992

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 354

LECTURE 10

STATISTICAL MECHANICS

ENTROPY

REVIEW

ENTROPY

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