

# Information and Telecommunication Technology Center

A KTEC Center for Excellence

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## 1997 Technology Overview and Advisory Board Meeting

September 29-30, 1997

K. Sam Shanmugan, Director

Victor Frost, Executive Director for Research

Gary Minden, Chief Technologist

Tim Johnson, Exec. Director for Ops & Applied Tech

# MEETING OBJECTIVES

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- Technology Overview
  - Showcase ITTC research
  - Explore areas of mutual research interests
- Advisory Board Meeting
  - Develop strategic plan for ITTC

# HISTORY OF ITTC

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- **1983 - TISL** (Telecommunication and Information Sciences Laboratory) Mission: Basic research in Telecommunication and Information Sciences
- **1989 - CECASE** (Center for Computer-aided Systems Engr.) Mission: Develop and transfer systems engineering methods and software to Kansas Companies to increase their competitiveness (Application area: telecommunication and Information Systems)
- **1997- TISL+CECASE = ITTC**

# ITTC: Mission and Vision

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- **Mission:**
  - To support graduate education and research at the University of Kansas
  - To leverage University research and resources for the benefit of the State of Kansas and the nation
- **Vision:**

To be a world class center excelling in basic research, technology development and transfer of viable Telecommunication and Information Technologies

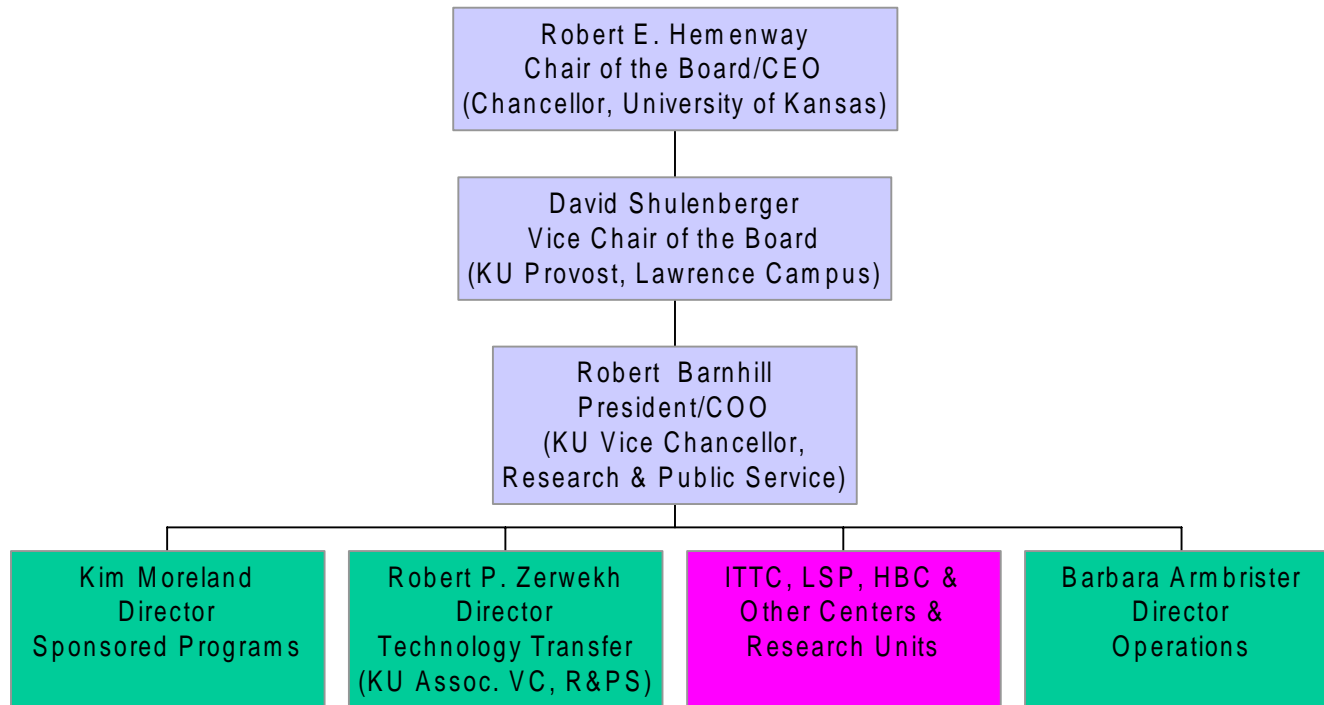
# ITTC: Focus Areas

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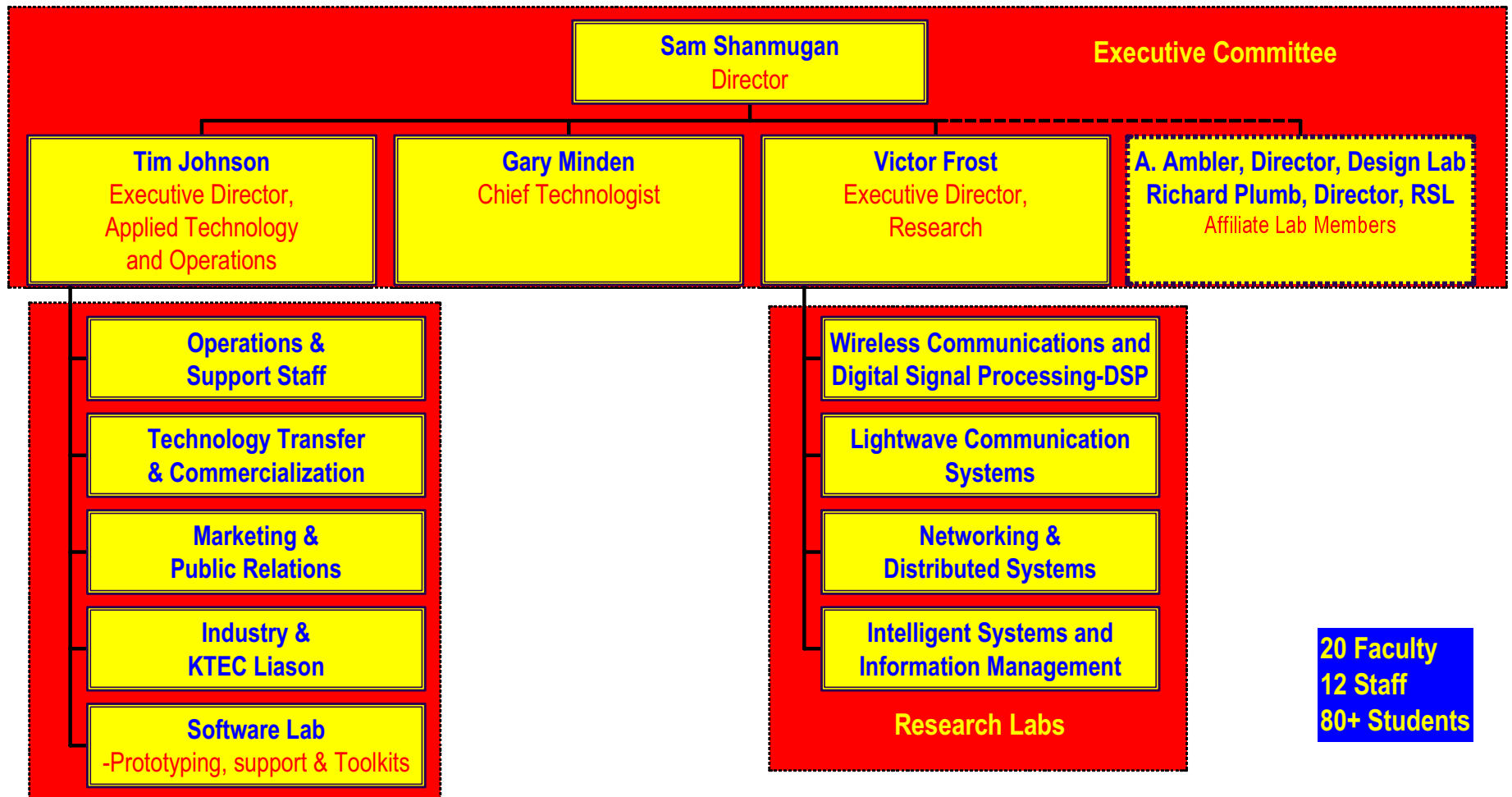
- Wireless Communications and DSP
- Optical Communications
- Networking and Distributed Processing
- Intelligent Systems and Info Management
- SW and HW Prototyping (support, toolkits)

# University Research Organization

## University of Kansas. Lawrence Center for Research, Inc.



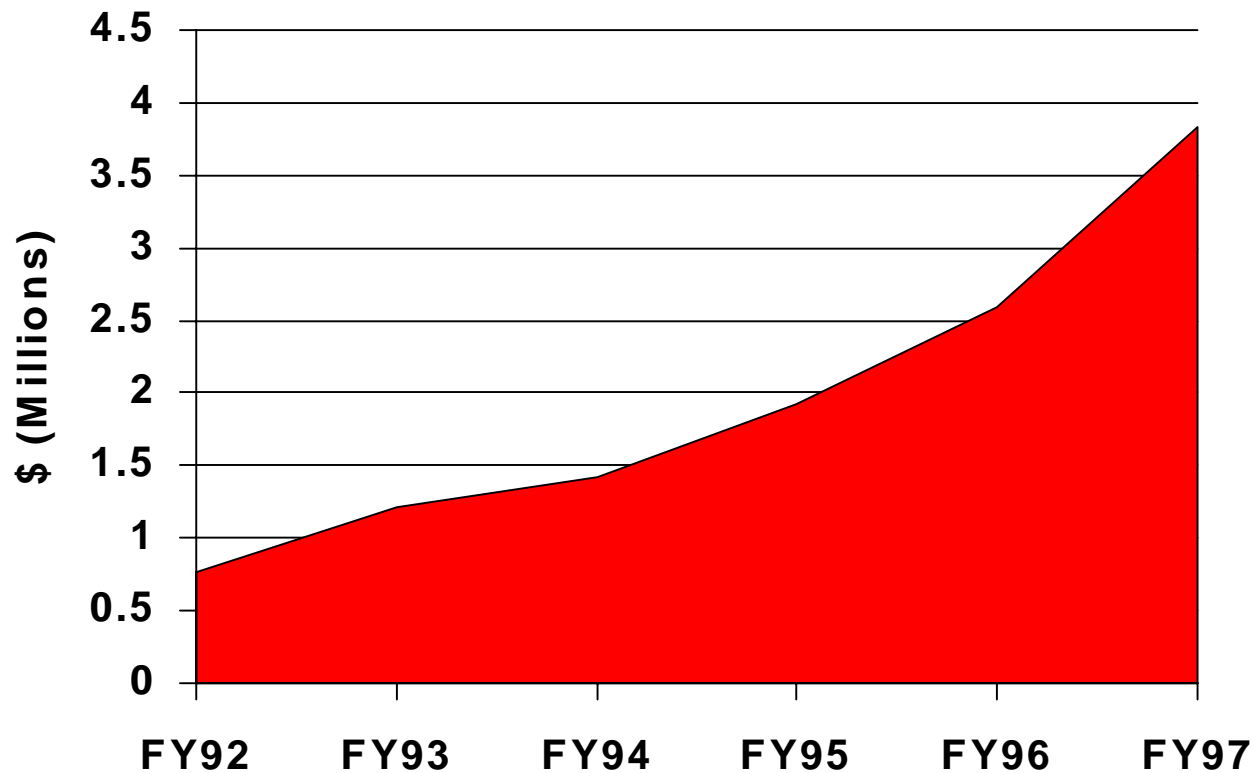
# ITTC R/D&C Organization



# R/D&C Core Expenditures

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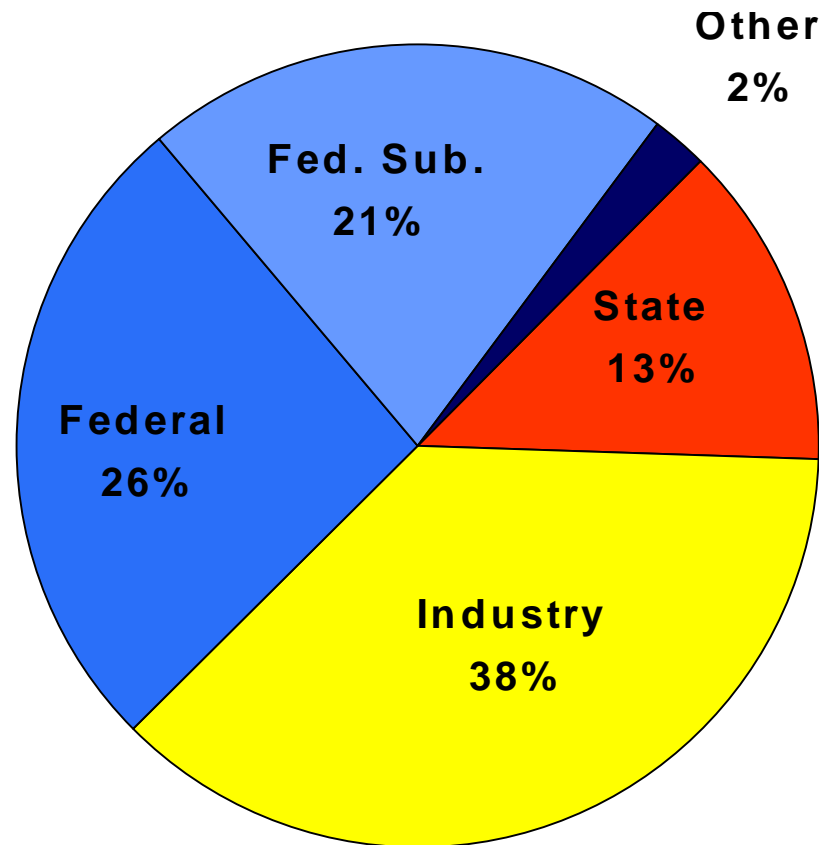
6 year total = \$11.76 Million





# FY 1997 Project Expenditures

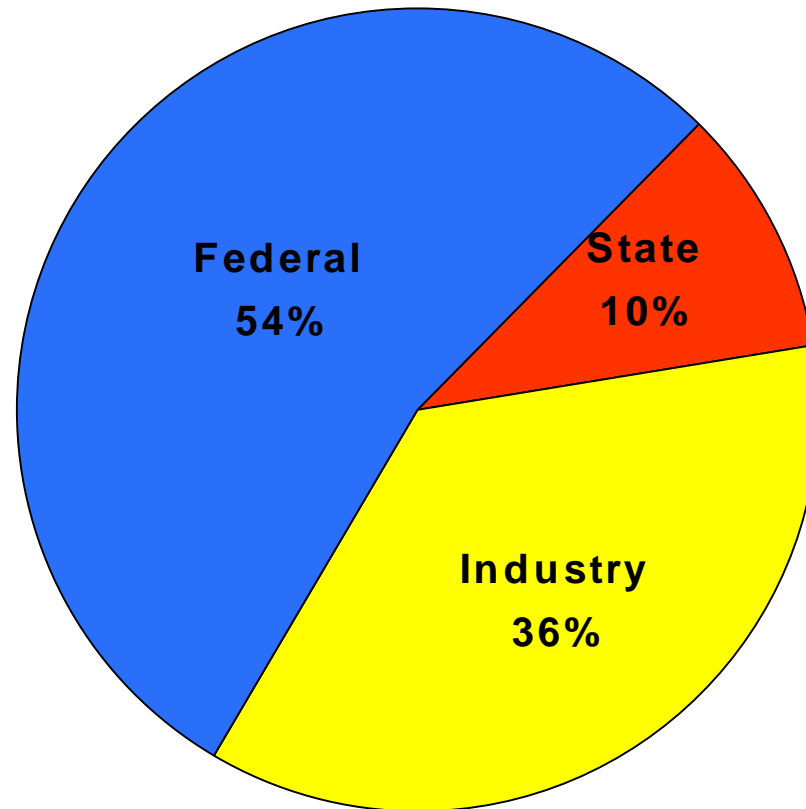
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**\* \$4.88 million**

# FY 1997 Project Awards

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**\* \$7.34 million**

# ITTC Overview

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- ITTC Research Overview-Victor Frost
- Individual technology area overviews  
(Various group and project leaders)
- Doing business with the University & ITTC  
and Technology Transfer (Tim Johnson)
- Tour of the laboratories
- Reception and poster session

# AGENDA-Technology Overview

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- Welcome & Introductions 8:30
- Research Focus & Collaborations 9:00
- Intelligent Systems & Info. Management 9:30
- Break 10:30
- Wireless Communications & DSP 11:00
- Lunch 12:00
- Networking & Distributed Systems 1:00
- Break 2:00
- Lightwave Communications Systems 2:30
- Technology Transfer 3:30
- Tour, Poster Session and Reception 4:00
- Adjourn 5:00