

Innovative Universities Global Webinar

Event starts at 10AM CET
Please stand by!



November 30, 2023

Welcome to Innovative Universities Global Webinar

Navigating the Challenges of University Technology Transfer in China

November 30, 2023

Moderators



**Prof. Dr.
Isak Frumin**

Head of Observatory of Higher Education Innovations at Constructor University, Fellow of the International Academy of Education



**Prof. Dr.
Po Yang**

Chair of Department of Economics of Education and Administration, Graduate School of Education, Peking University.

Construction of the webinar



60 min: 15-min presentation + discussion



Live: every second Thu @5PM CET



Recordings: available on YouTube + impressions sharing via [#InnovativeUniversities](#)



Moderators

for the 2023-2024 season:
Isak Frumin and Dara Melnyk



The Steering Committee:

Phil Altbach, Jules Coleman,
Daniel Kontowski, Attila Paustis,
Jamil Salmi, Po Yang

Invited expert

Navigating the Challenges of University Technology Transfer in China



**Prof. Dr.
Zhaoyaun Ma**

Professor at Southern University
of Science and Technology

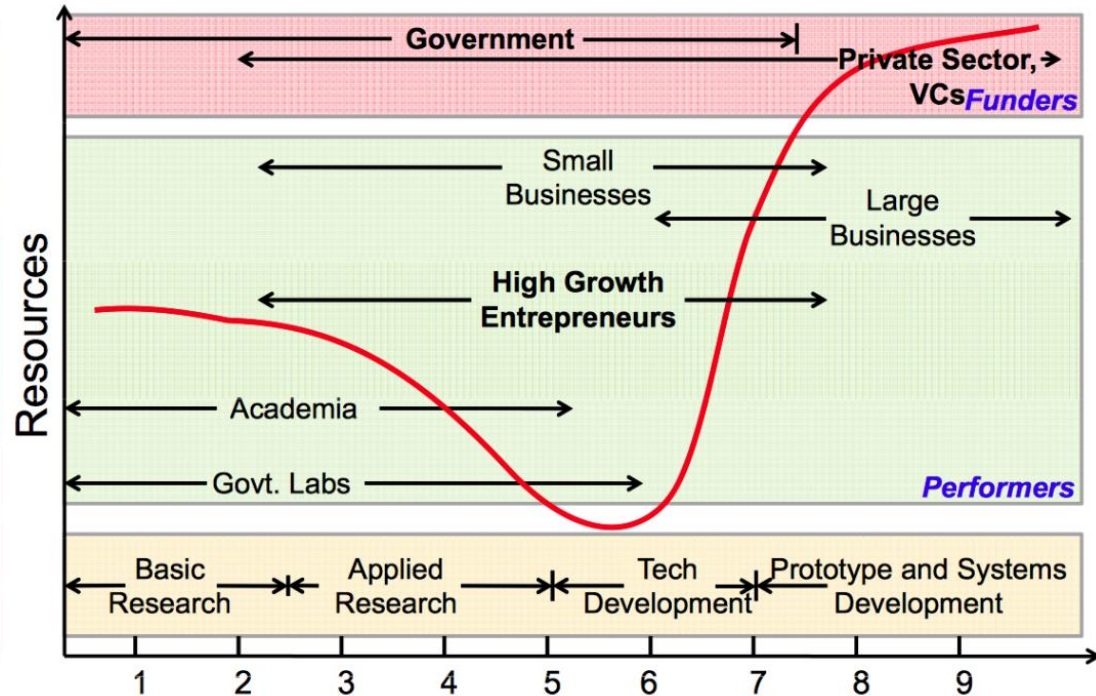
Navigating the Challenges of University Technology Transfer in China: Experiences and Solutions from Shenzhen

Prof. Zhaoyuan Ma D.Phil FInstP
Engineering School and Business School
Southern University of Science and Technology

Technology Readiness Level

TECHNOLOGY READINESS LEVEL (TRL)

DEVELOPMENT DEPLOYMENT	9	ACTUAL SYSTEM PROVEN IN OPERATIONAL ENVIRONMENT
	8	SYSTEM COMPLETE AND QUALIFIED
	7	SYSTEM PROTOTYPE DEMONSTRATION IN OPERATIONAL ENVIRONMENT
	6	TECHNOLOGY DEMONSTRATED IN RELEVANT ENVIRONMENT
	5	TECHNOLOGY VALIDATED IN RELEVANT ENVIRONMENT
	4	TECHNOLOGY VALIDATED IN LAB
RESEARCH	3	EXPERIMENTAL PROOF OF CONCEPT
	2	TECHNOLOGY CONCEPT FORMULATED
	1	BASIC PRINCIPLES OBSERVED



Stages in Chinese Universities' Tech Trans

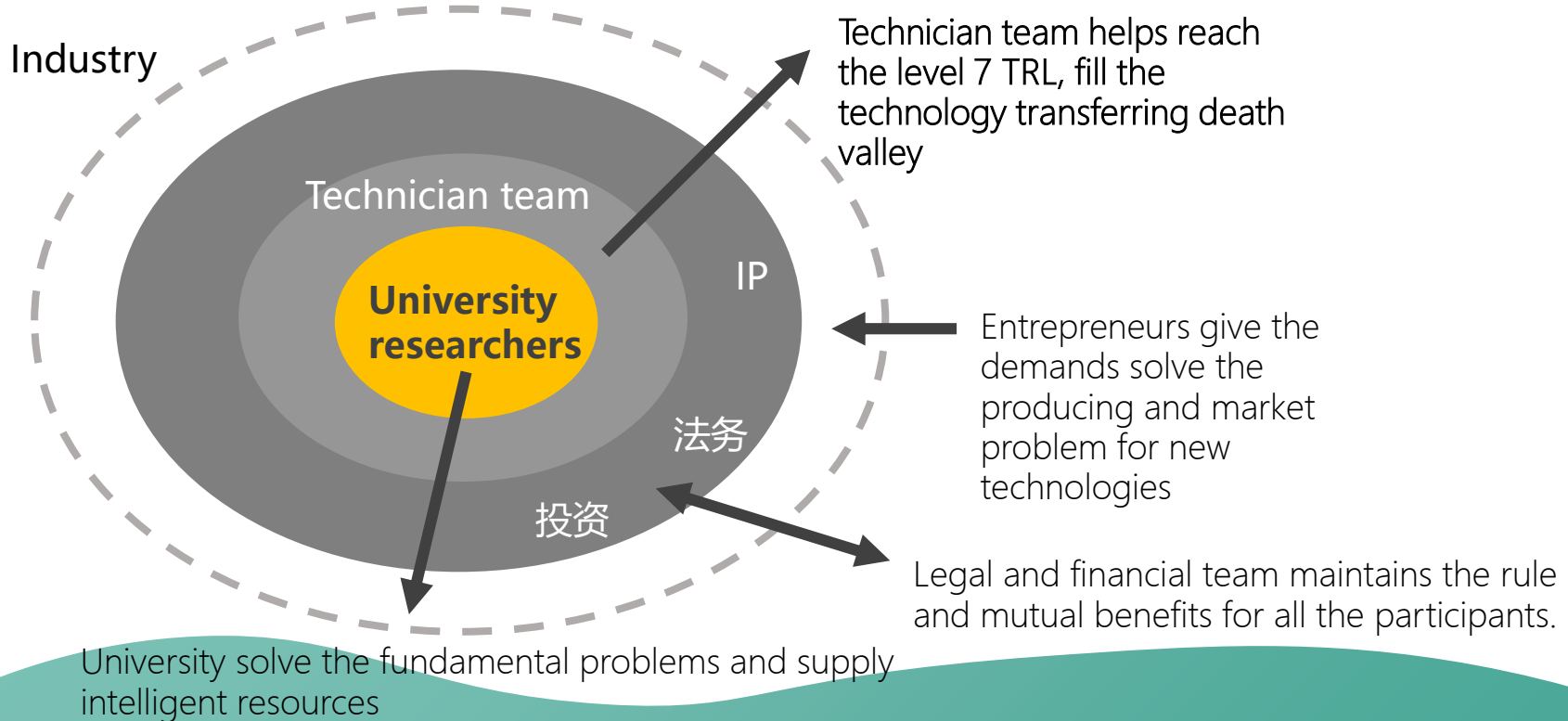
- School owns company
 - 1980s-1990s School owns 100%
 - 2000s-2010s school owns 60-80%
 - 2020ish- school owns 20%
- School owns a holding company
 - some school holding company as large as ~100Billion USD
- School never gets money from the holding companies until they are bankrupted.

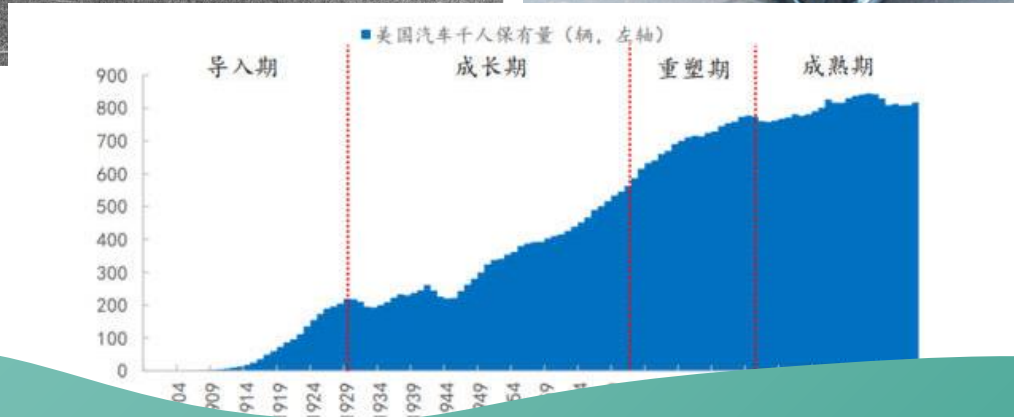
Why this?

- University focuses on 1-3 while industry focuses above 7-9
- University never earns money if delivery at level 3
- University has an extensive business beyond the university's control

- Why can't we issue patents in Chinese Universities?

Engineering Team plays an essential role in technology **sharing**





2.4million SMEs in Shenzhen by 2022

- ◆ Manufacturing supply chain in many industries
- ◆ Infrastructure in national size

硬科技应用场景与核心技术



Not alone, AMRC in Sheffield

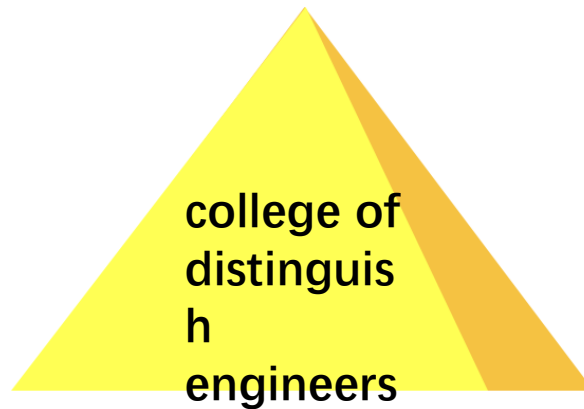
A University and A factory

A research institute and An incubator



training students in an engineering way

- For practical use
 - For real question
 - For real experience
1. 20/80 rule in college training: academic vs applying
 2. Apprentice + academic
 3. Engineering + design + international+ management



中国中煤能源集团有限公司
CHINA NATIONAL COAL GROUP CORP.



China
unicom 中国联通



*Research
Innovation
Entrepreneurship*

**Thank you for
your attention!**

A Rising Star in Higher Education

南方科技大学

Panel Discussion

Save the date:

**Thursday, December 14,
5 PM CET**

**Minerva University: How to
build an effective university
when the system trains people
to do things wrong**



Ben Nelson

Founder and CEO of Minerva
Project and the Chancellor of
Minerva University.

**Have a great evening and
follow us with
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