



有期雇用の現状（経営側及び現場の管理者の視点(大学側の視点)）等について

# 優秀な研究人材の育成確保のために —改正労働契約法の特例と今後の抜本改革—

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# ハイテク日本 エンジニアの枯渇

## — ニューヨークタイムズ 2008.5.17 一面報道 —

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**The New York Times**

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### High-Tech Japan Running Out of Engineers

By **MARTIN FACKLER**  
Published: May 17, 2008

TOKYO — Japan is running out of engineers.

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Ayumi Nakanishi for The New York Times  
At Utsunomiya University, north of Tokyo, graduate students in the engineering department demonstrate an optical system.

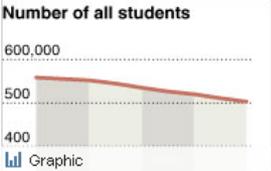
After years of fretting over coming shortages, the country is actually facing a dwindling number of young people entering engineering and technology-related fields.

Universities call it “rikei banare,” or “flight from science.” The decline is growing so drastic that industry has begun advertising campaigns intended to make engineering look sexy and cool, and companies are slowly starting to import foreign workers, or sending jobs to where the engineers are, in Vietnam and India.

It was engineering prowess that lifted this nation from postwar defeat to economic superpower. But according to educators, executives and young Japanese themselves, the young here are behaving more like Americans: choosing better-paying fields like finance and medicine, or more purely creative careers, like the arts, rather than following

**Multimedia**

#### Number of all students



[Graphic](#)

[Tapping Talent Abroad](#)

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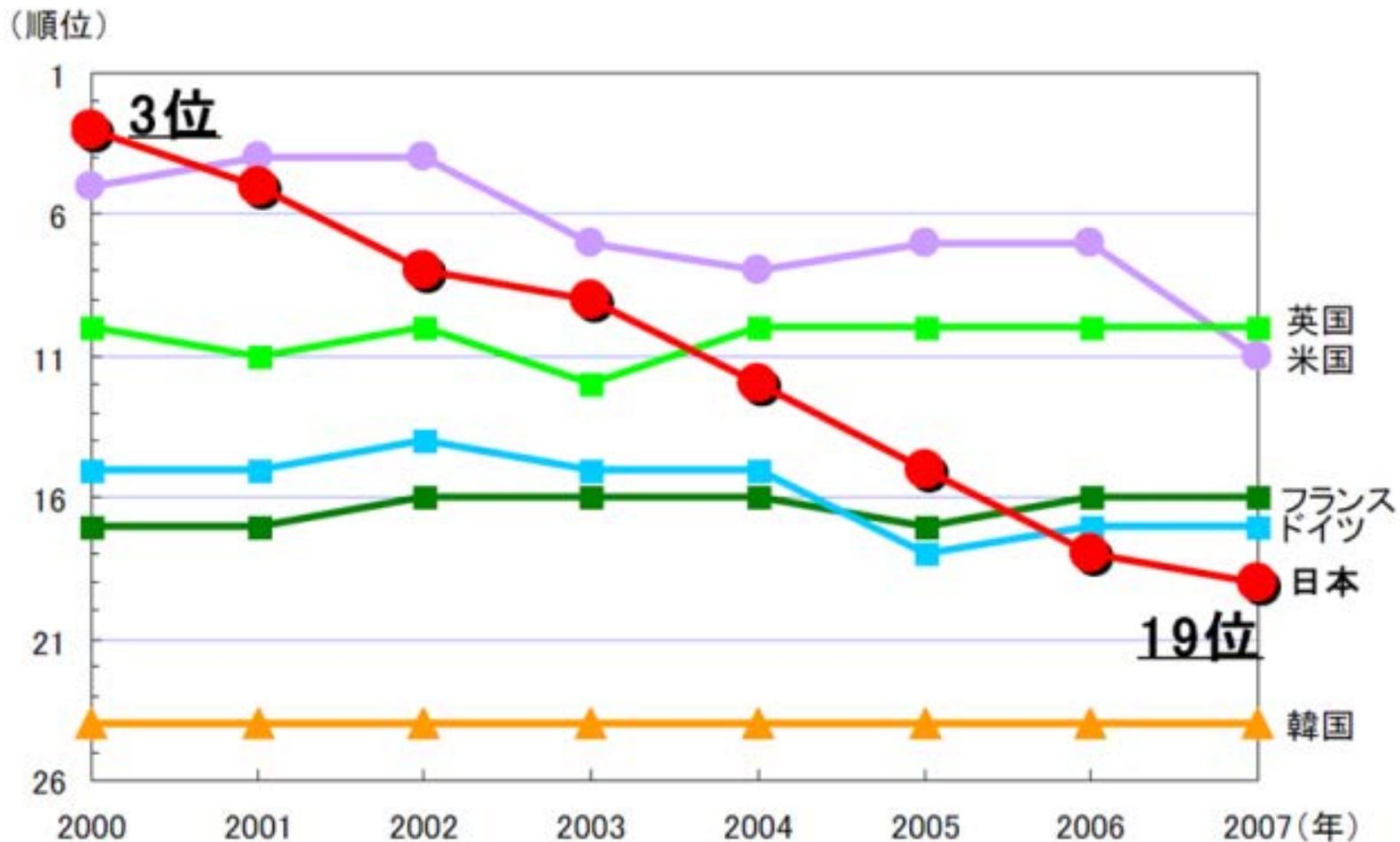
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日本の科学技術人材の課題

(1) 日本人若者の工学離れ

(2) 外国人のエンジニア獲得  
出遅れ

# 我が国の一人当たりGDPの順位は、近年急落



# 初期事業活動率と一人あたりのGDP

Nikkei Business Innovation Forum  
Tokyo Japan, October 7, 2009

2050年を見据えて今の日本に



(東京ミッドタウン; 主宰TM研究会)  
Richard B. Dasher, Ph.D.  
スタンフォード大学特任教授  
スタンフォード大学工学部  
アジア・  
米国技術経営研究センター所長

## TM研究会

2050技術・マネジメント知の育成研究会  
(2011/11/10 -)



小宮山宏  
株式会社三菱総合研究所理事長・  
TM研究会会長

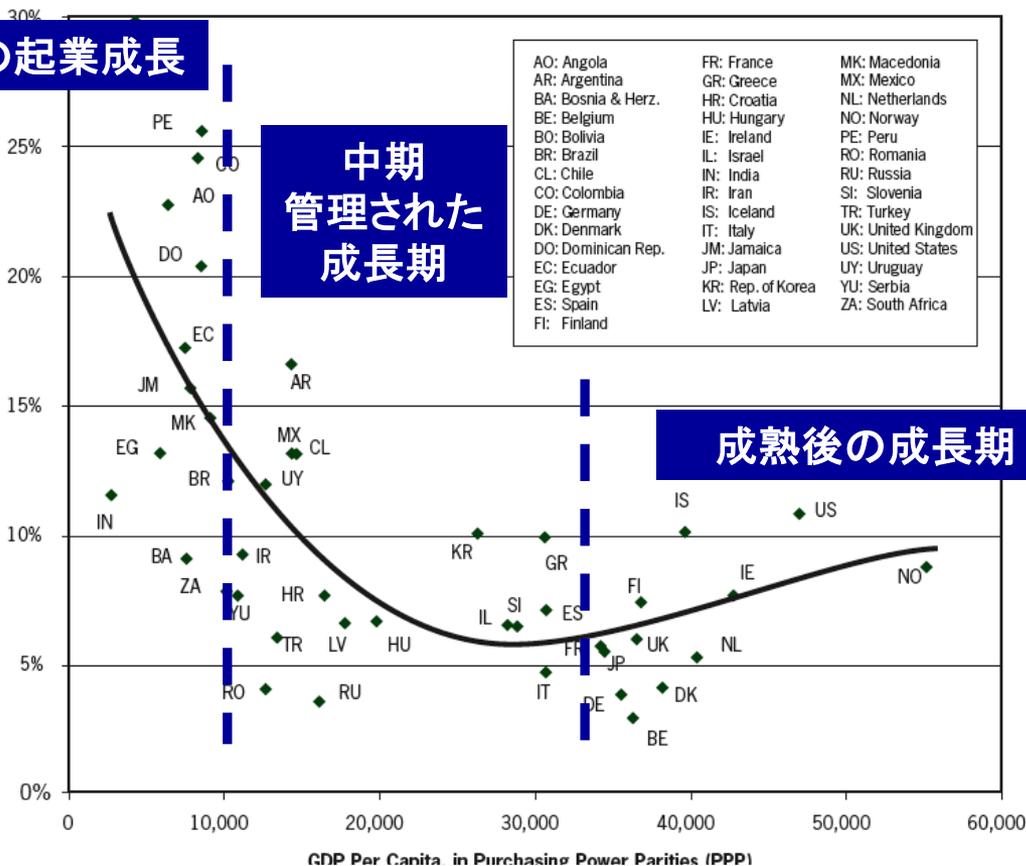
### 初期の起業成長

新しい企業の活動率

### 中期 管理された 成長期

### 成熟後の成長期

Figure 8 — Early-Stage Entrepreneurial Activity Rates and Per Capita GDP, 2008



一人あたりのGDP (PPP: Purchasing Power Parities)

Based on Global Entrepreneurship Monitor 2008 Report (Jan 2009)