

1st OIST GRADUATION 卒業式

24 February 2018

2018年2月24日

First graduation ceremony brought together government and industry VIPs with students and their families from Japan and around the world.

Honorary Degree awarded to Mr. Koji Omi, a key figure in establishing OIST

Commencement address by Nobel Laureate and former BOG Member, Dr. Steven Chu.

初めての卒業式では、政府や産業界の主賓の方々、学生と国内外から訪れた彼らの家族らが一堂に会しました。

OIST創立の中心人物の一人、尾身幸次氏に名誉学位を贈られた。

ノーベル賞受賞者で元OIST理事のスティーブン・チュー博士よりお祝いの言葉をいただく。

Dr. Steven Chu

1996 Nobel Prize in Physics

スティーブン・チュー博士
1996年ノーベル物理学賞



1st OIST GRADUATES 第一期卒業生

Mark Daly
Lee James O'Riordan
Faisal Mahmood
Märt Toots
Dongxin Zhang

Yi-Jyun Luo
Kenneth Baughman
Rico Pohle
Zafer Hawash
Caroline Starzynski

Cong Liu
Nino Espinas
Keita Ikegami
Daisuke Takahashi

Of 20 that have graduated to date:

Postdoctoral positions at universities: 7

- ✓ Harvard University, USA x 2
- ✓ Johns Hopkins University, USA
- ✓ The University of Tokyo, Japan x 2
- ✓ Karlstad University, Sweden
- ✓ University of the Ryukyus, Japan

Private industry- for profit: 2

- ✓ Twilio, Tallinn, Estonia
- ✓ Nature publishing, London, UK

Postdoctoral positions at national labs/research institutes: 3

- ✓ Lawrence Berkeley National Lab, USA
- ✓ JSPS Postdoctoral Fellow, RIKEN Center for Sustainable Resource Science, Japan
- ✓ Inria, France

OIST Junior Research Fellow: 4

Still deciding/not known: 4



Outline

- Overview and brief history of OIST
- Excellence in Research
- Excellence in Education
- **Excellence in Innovation**
- External funding
- Plans for growth
- Roadmap towards 2021



OIST model for innovation

Our goal is to bring together the best scientists from around the world to produce the **highest quality research**. This research will help to educate leaders of tomorrow and allows **innovations** and **technology transfer** that can compete on a global scale, while contributing to the development of Okinawa and the local economy.



Technology Development and Innovation Center

FOSTER INNOVATION AT OIST AND IN OKINAWA TO ACCELERATE SELF-SUSTAINING ECONOMIC GROWTH

TDIC achieves this mission by conducting 8 wide-ranging activities in 3 strategic areas:

INTELLECTUAL PROPERTY	<ul style="list-style-type: none">• Identify and patent research discoveries• Conduct technology transfer by marketing and licensing patents
TECHNOLOGY DEVELOPMENT RESEARCH	<ul style="list-style-type: none">• Expand research sponsorship through collaborations with industry• Enhance the OIST Proof-of-Concept Program to drive inventions towards commercialization
ENTREPRENEURSHIP & INNOVATION ECOSYSTEM PROMOTION	<ul style="list-style-type: none">• Foster entrepreneurship through educational courses, seminars• Support the creation and incubation of startup companies• Strengthen regional, national, and international partnerships with public-private sector to develop the innovation ecosystem• Understand the components and indicators of successful innovation in science and technology



L. Ha & R. Baughman

TDIC MISSION | 目的

OISTと沖縄のイノベーションを育成し自立的な経済成長の加速

TDICでは3つの戦略分野より8項目の幅広い活動を行うことで目的を達成します

知的財産	<ul style="list-style-type: none">• 発明の同定と特許化• 特許の市場化とライセンス契約による技術移転
先進技術研究	<ul style="list-style-type: none">• 企業との共同研究を通して研究支援を拡大• 発明の商業化推進に向けてPOCプログラムを強化
起業家育成 & イノベーション・エコシステムの推進	<ul style="list-style-type: none">• トレーニング、セミナーを通じて起業家精神を育成• スタートアップ企業の設立、運営支援• イノベーション・エコシステムの展開に向けて沖縄、日本さらに海外の民間部門との連携強化• 科学技術におけるイノベーションの成功の指標要素を理解





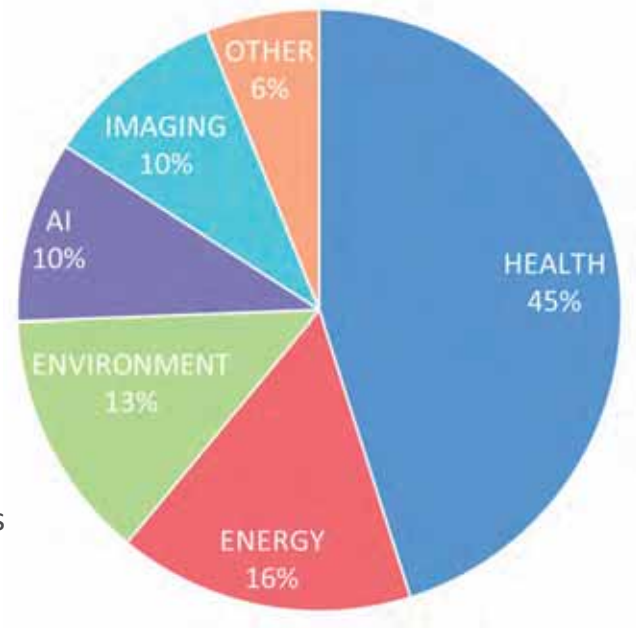
PATENTS: IP ASSETS

326 Patent applications filed since 2004

81 Patents awarded as of Sep 2018

85% Application-to-Patent success rate

- Health-related IP includes medical devices, biosensors, chemical synthesis, analytical methods
- Energy and Environment IP are increasing



TDIC supports a range of technology development research projects

34 Technology Development Research Projects Ongoing

33%

OIST Faculty participating

PROOF-OF-CONCEPT RESEARCH

Pre-commercialization studies to establish feasibility and identify market applications (ITR, Phase I/II)

CO-DEVELOPMENT WITH INDUSTRY PARTNERS

Academic-Industry collaborations to develop new technologies that meet specific market needs

