



## **A Comparative Analysis of Technology Innovation Centers of Excellence Across the World: Secrets to Success**

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**Dr. Susan Kubic Barnes**

# **A Comparative Analysis of Technology Innovation Centers of Excellence Across the World: Secrets to Success**

## **Abstract**

With increasing pressures for technology-oriented universities and their technology innovation centers to gain an international competitive advantage, these institutions must champion a leadership role for global economic development. Because of the exponential, fractal-like growth of knowledge due to scientific and technological advances, the solving of complex global problems will require a different way of thinking than was used to create them. No longer are solutions typically bound within a single domain, science or technology. Instead, solutions now more frequently require a highly integrated, systems approach across many domains, sciences, or technologies.

Thus, it is necessary for technology innovation centers to create unique niches that differentiate them from other technology-oriented universities focusing on the most significant problems facing our global society. This competitive focus emphasizes the intersection between innovation, technology, production, and the creation and diffusion of knowledge<sup>2</sup>. It embraces how technology and innovation centers shape emerging methodology and environments to maximizing their capability to innovate.

Coupled with this reality, is the pressure for technology-oriented universities to meet the ABET standards for accreditation. Technology innovation and research centers provide an excellent vehicle for providing a value-added component for technology-oriented universities to extend the curriculum experience by providing both undergraduate and graduate students a research experience<sup>3</sup> with real-world problems, opportunities and applications.

The authors of this paper present a comparative analysis of technology and innovation-oriented centers. To gain an understanding of such centers, the authors focused on recognized centers to examine their mission, goals and objectives, research focus, business model, competitive perspectives, growth anomalies, principles of specialization, and innovation capabilities. Based on this comparative analysis, the authors developed a set of relevant conclusions and recommendations for technology innovation centers. The intent is to support increased attention to and wide application for engineering and technology institutions in their quest to advance technological innovation and economic development.

## ***Introduction & Background***

Contemporary pressures<sup>1</sup> on universities in the USA, and perhaps the world, are engendering extensive rethinking of their missions and activities to these ends. Generally the tradition tripartite missions of learning/teaching, research/discovery, and engagement/service remain but what changes is a more strategic deployment of resources and activities towards the effort in each of these missions.

Within the activities addressing innovation, of universities and technology innovation centers, the American psyche seems to encourage such entities champion a leadership role for global economic development. Thus, it is necessary for technology innovation centers to create unique niches that differentiate them from other technology-oriented universities. This competitive focus emphasizes the intersection between innovation, technology, production, and the creation and diffusion of knowledge<sup>2</sup>. It embraces how technology innovation centers shape emerging methodology and environments to maximize their capability to innovate.

Coupled with this reality, is the pressure for technology-oriented universities to meet the ABET standards for accreditation. Technology innovation and research centers provide an excellent vehicle for providing a value-added component for technology-oriented universities to extend the curriculum experience by providing both undergraduate and graduate students a research experience<sup>3</sup> with real-world problems, opportunities and applications.

## ***Purpose***

The goal of this paper is to make sense of some of the complexity of the current environment pertaining to the innovation imperative in the USA and around the world. Furthermore, as much as possible, the researchers sought to focus on technological innovation. Although the primary concern was with technological innovation in the USA, selected international examples<sup>4,5</sup> will be employed to further clarify the situation. As such, the researchers sought to understand, with respect to innovation, who is working on what, why, and where. To this end, the research team raised the following research questions:

1. What centers are working specifically on the topic of innovation
2. What key innovation research and implementation agendas are being pursued pertaining to innovation?
3. How can the complexity of the innovation field be made more understandable?

## ***Methodology***

The reported study is constituted within the framework of descriptive research, and within that, as an initial exploratory study that is intended to provide a set of concepts and representations that could subsequently serve as the basis for subsequent more hypothesis-driven research. The researchers seek to present a comparative analysis of technology-oriented university centers of excellence. To gain an understanding of secrets to success for technology research centers, the authors focused on technology-related innovation centers to examine their

mission, goals and objectives, research focus, business model, competitive perspectives, growth anomalies, principles of specialization, and innovation capabilities.

The first phase of the methodology employed a review of the literature using conventional tools such as Purdue University's Library Database portal, Google Scholar, Google Web, and Wikipedia. The researchers are certainly aware that some of these sources are not considered scholarly by many academicians but they were explored because practitioners often report their activities in such venues.

The second phase of the research methodology, that of analysis and making sense of the identified sources and their program of work, involved:

1. Content analysis of the web sites and selected publications of the identified innovation centers
2. Recognizing patterns and conceptualizing an organization for the revealed centers, agencies, activity and agendas.

### *Delimitations*

To gain at least some control of the multiplicity of information pertaining to innovation, the researchers decided to deliberately exclude formal degree or certificate granting programs from this study's scope.

### *Findings*

Simply put, even with the delimitations employed for this study, the researchers identified a multitude of centers and agencies that claim to address innovation. For example, an advanced Google search reported about 3,110,000 results for the specific phrase search for "innovation center" and a similar search of Wikipedia resulted in about 13,200 for innovation center. Google Scholar reported about 16,200 articles (no citations) alone for the period of 2000 – 2013. This confirms the researchers' initial presumption about the complexity of the innovation field. Appendix A visibly highlights the diversity of innovation center activity in the USA and across the world. It contains 113 technology and innovation related centers and even this is clearly only a selective sample. There are many more economic development and entrepreneurship focused centers in the USA. Furthermore, the search of international centers was deliberately restricted to make this initial study manageable. Further evidence of the complexity of the innovation scene is provided by Appendix B to this paper. This presents over 100 acronyms for innovation centers in the USA and across the world.

Content analysis of the identified centers has revealed that universities are not alone in addressing the innovation imperative. The researchers noted that, although a large number of university based centers were identified, corporate-based centers and various state, regional and locality – based centers were also found. Figure 1 illustrates the three primary hosts/authorities that initiate or otherwise provide the environment for technology innovation centers. One useful way of characterizing such centers is the extent/degree to which it involves each of the three

principal hosts. In essence, such centers could be categorized by the Cartesian resolution of the extent of control by or service to each of the three primary hosts.

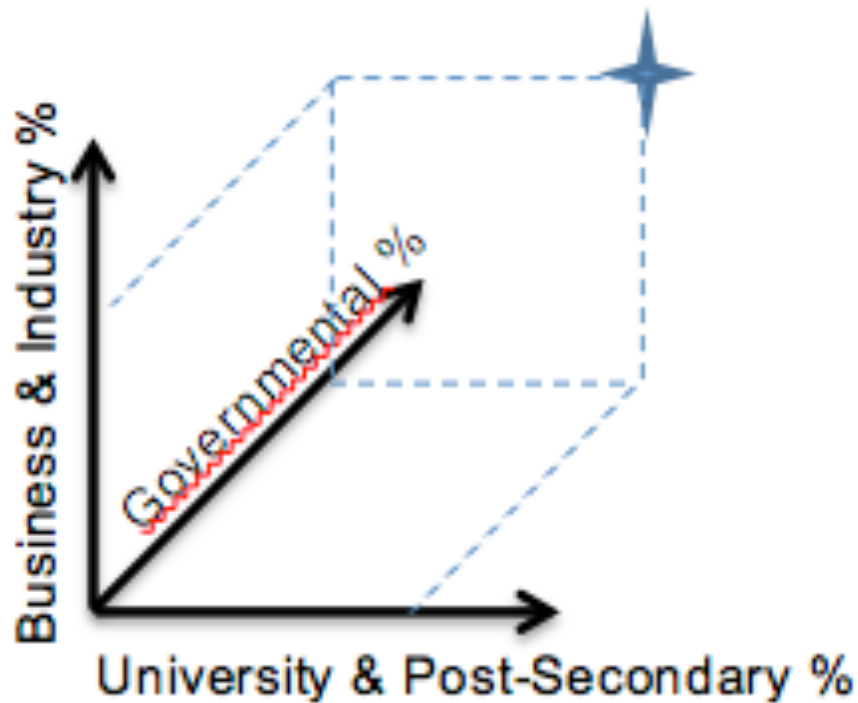


Figure 1. Categorizing a Technology Innovation Center by Focus Proportions

Table 3 presents a summary of another analysis of centers, in this case, by the primary host. It demonstrates that, at least for the centers selected for this study, that universities were only second ranked, as contrasted to corporations, in serving as the primary host for centers of technological innovation. Various governmental entities constitute the third most frequent type of host for such centers. It was notable, however, that a small number of such centers were being hosted by atypical institutions such as museums or even being established as independent centers. Readers should be aware that this latter category, despite being used relatively infrequently, does include as prestigious organizations such as the Smithsonian Institution which houses the Lemelson Center for the Study of Invention and Innovation.

One of the notable findings is the larger than anticipated numbers of different kinds of hosts for the innovation centers that were identified. Not only were universities prominent in such endeavors, but also economic development agencies at state, regional<sup>6</sup> and local levels,

post-secondary institutions such as community colleges, national and international agencies, but also a surprising number of apparently independent centers and even a few museums.

Table 1. Identified Hosts for Innovation Centers

Host	Number
University	34
Other Post-Secondary Institution	2
Government: National	5
Government: State and/or Regional	8
Government: Local	10
Corporate	41
Miscellaneous, e.g., Museums, Independent...	9
International Setting	9

The diversity found among centers for technological innovation is also exemplified by the variety of their foci. Table 2 presents the results of content analysis of the selected centers' foci. While the categorization is admittedly "broad brush" even it demonstrates the wide-ranging variety foci of such centers. Undoubtedly, the most frequently occurring foci are due to the center selection factors that the researchers employed, but even within this the proportions are illustrative. They were Engineering/Technology (15 University, 24 Corporate), Business, Management, Entrepreneurship & Incubator<sup>7</sup> (15 University, 1 Corporate), and Health, Life Sciences & Pharma (5 University, 8 Corporate).

Table 2. Identified Innovation Center Foci

Center Foci	Number of University, Government & Other Non-corporate Hosted	Number of Corporate Hosted
Engineering/Technology	15	24
Business, Management, Entrepreneurship & Incubator	15	1
Health, Life Sciences & Pharma	5	8
Education & Training	4	
Student	4	
Miscellaneous, e.g., Journalism, Veterans, Museum, Security	4	
Food	2	2
Law	1	
Sociology	1	
General (or not specified)	25	3

To better illustrate the diversity of approaches employed across the world, the authors selected a sample of innovation centers to highlight. These came from Germany, Denmark, the USA, China, Singapore, Russia, Iran, and India and which, while certainly not a random sample, never-the-less presents samples from major OECD, BRIC and middle east regions. In addition, care was made to include samples from one of the world's major innovation-focused organizations, namely the Fraunhofer Gessellschaft. Vignettes of each of the samples highlighting their key contributions are provided in Figures 2 to ??.

## USA

Fraunhofer Center for Manufacturing Innovation

15 St. Mary's Street, Brookline, MA 02446-8200; Tel: (617) 353 1888

<http://www.fhcmi.org/>

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## Manufacturing Innovation

Fraunhofer USA

### Fraunhofer Center for Manufacturing Innovation (CMI)

CMI, working jointly with Fraunhofer CMB, has developed a fully automated, scalable "factory" that uses natural (non-genetically-modified) green plants to efficiently produce large quantities of vaccines and therapeutics within weeks. Such a rapid vaccine production facility will play a crucial role in addressing and containing future pandemics and emerging biological threats.

This first-of-a-kind, plant-based vaccine factory takes advantage of plant viral vector technology (developed at CMB) that enables production of specific proteins within the leaves of rapidly growing plant biomass. The factory's robotically tended, custom engineered machines plant seeds, nurture the growing plants, introduce a viral vector that directs the plant to produce a target protein and harvest the biomass once the target

has accumulated in the plant tissue. Traditional methods of vaccine production can take many months. This plant-based technology enables rapid, large scale production of vaccine material in a cost-effective manner. It has the potential to revolutionize how biological materials are manufactured.

The factory was designed to be time, cost and space efficient. It has the capacity to grow tens of thousands of plants in one batch. The plants are grown in multi-plant trays that are used to handle and transport the plants to the different processing stations. To automate the process, robots glide up and down a track, tending the plants – delivering trays from the lighted, irrigated growth modules to each processing station at the appropriate time. In order to quickly produce large quantities of vaccine material or other protein-based medicines, such as antibodies, in compliance with cGMP, (Current Good Manufacturing Practices), it was necessary to develop a consistent, repeatable process. Even though the process of making vaccines from plants includes many aspects of traditional horticulture such as growing, watering and harvesting, the entire process was automated using techniques found in industrial type processes. This enabled quick, safe, and cost-effective scale-up from a few milligrams in a laboratory setting to the many kilograms that would be required in case of a pandemic. The resulting process is faster, less expensive, safer, and does not require the sophisticated culturing or fermentation necessary in the current vaccine production processes. This will be the first cGMP facility for plant-based protein production.

This unique, plant-based vaccine factory resulted from a three-year collaboration between Fraunhofer and Boston University. "This is a perfect example of coupling engineering expertise and scientific advancement to cost-effectively meet a societal need," remarked Robert Brown, president of Boston University and a chemical engineer. "It is a model for collaboration that we strongly believe in on our campus, as they do at Fraunhofer as well."

Contact Information:

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Figure 2. Fraunhofer USA Center for Manufacturing Innovation

## Germany

Fraunhofer Institute for Systems and Innovation Research ISI

Breslauer Strasse 48, 76139 Karlsruhe, Germany; Phone +49 721 6809-0

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Fraunhofer Institute for Systems and Innovation Research ISI

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Emmanuel Muller and Andrea Zenker received an award for an article about "Knowledge Angels".  
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The Fraunhofer Institute for Systems and Innovation Research ISI analyzes the origins and impacts of innovations. We research the short- and long-term developments of innovation processes and the impacts of new technologies and services on society. On this basis, we are able to provide our clients from industry, politics and science with recommendations for action and perspectives for key decisions. Our expertise lies in a broad scientific competence as well as an interdisciplinary and systemic research approach.

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Figure 3. Fraunhofer Germany Systems and Innovation Research


## Italy

Fraunhofer (Italy) Innovation Engineering Center (IEC)

Schlachthofstraße 57, 39100 Bozen, Italy; Phone +39 0471 1966900

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## Fraunhofer in Europe

Fraunhofer-Gesellschaft

### Fraunhofer Italia Research

On December 21, 2009, the Fraunhofer-Gesellschaft established its third subsidiary in Europe: Fraunhofer Italia Research Konsortial-GmbH, domiciled in Bolzano. The South Tyrol Employers' Association is a partner with the new limited liability company.

### Fraunhofer Innovation Engineering Center IEC

The first Fraunhofer Research Institution in Italy is the "Fraunhofer Innovation Engineering Center IEC" in Bolzano, which is currently organized by the Fraunhofer Institute for Industrial Engineering IAO, together with the South Tyrol Employers' Association and with the support of the Free University of Bolzano. The Center is primarily intended to support the numerous small- to medium-sized enterprises located in the Bolzano region that until now have had almost no access to applied research. "We view ourselves as an interface to the vast array of offerings from the Fraunhofer-Gesellschaft," explains Prof. Dominik Matt, who will assume the management of the new Fraunhofer Center. The mechanical engineer, who earned his doctoral degree under the mentorship of Professor Dieter Spath, head of the IAO, was appointed to the Turin Institute of Technology in 2004, and then to the Faculty for Natural Sciences and Technology of the Free University of Bolzano in 2008.


The Fraunhofer researchers will conduct projects in international and interdisciplinary teams together with scientists from the University of Bolzano and partners from industry. Plans call for the development of a modular construction concept, for example. At the same time, particular emphasis is being placed on cooperation among all participants – from architects to skilled laborers. A universal, digitally-supported process chain will facilitate joint activities, from initial planning to final acceptance of the building.

Another focal point will be the service and tourism industry. A research and demonstration laboratory is currently underway that is intended to exhibit the most modern information and communications technology, and applications for product and services development. This will enable business professionals to learn about new technological systems – such as computer aided design, simulations, virtual reality or human models. If requested, the researchers can also conduct tests in the laboratory to determine whether and to what extent a customer will benefit from integrating the new technology.

→ [Fraunhofer Italia Research](#) (fraunhofer.it)

→ [Press Release 2009, Dec 21 \(Italian version\)](#)

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## Fraunhofer Italia

Fraunhofer Italia




### Im Auftrag der Zukunft - Im Dienste des Menschen


Am 21. Dezember 2009 wurde die Fraunhofer Italia Research Konsortial GmbH mit Sitz in Bozen gegründet. Sie ist eine 99%ige Tochter der [Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.](#), 1% hält der [Unternehmerverband Südtirol](#). Fraunhofer Italia kooperiert mit Akteuren aus dem privaten und öffentlichen Bereich, an erster Stelle mit der Freien Universität Bozen.

Wir betreiben anwendungsorientierte Forschung zum direkten Nutzen für Unternehmen und zum Vorteil der Gesellschaft. Unser Hauptaugenmerk liegt dabei vor allem darauf, kleinen und mittelständischen Unternehmen einen Zugang zur angewandten Forschung zu bieten. Wie die Fraunhofer-Gesellschaft in Deutschland soll die italienische Tochter als Dachorganisation verschiedene Fraunhofer-Einrichtungen betreiben. Wir betrachten uns selbst auch als Schnittstelle zum breitgefächerten Angebot der Fraunhofer-Gesellschaft mit ihren 60 Instituten und über 18.000 wissenschaftlichen Mitarbeitern.

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### Neue Studie für das Bauen von morgen



Trendstudie »Schlanke Prozesse in Baunetzwerken – Studie des Südtiroler Innovationsnetzwerks build4future«

Effizienteres Bauen ist möglich – zumindest wenn es nach den Beschäftigten im Bauwesen geht. Das Forscherteam am Fraunhofer IEC hat über 360 Fachleute und Arbeitnehmer der Baubranche zu Bewertungen und Einschätzungen des aktuellen Bauwesens befragt. Die Ergebnisse sowie Lösungsansätze werden in der Studie »Schlanke Prozesse in Baunetzwerken« präsentiert. Die Publikation ist für 50 Euro bei Fraunhofer Italia erhältlich.

Figure 4. Fraunhofer Italy Innovation Engineering Center

## Brazil

Fraunhofer (Brazil) Center for Innovations in Food and Bioresources (ITAL) <sup>12</sup>  
Fraunhofer Institute for Process Engineering and Packaging at ITAL  
Institut of Foodtechnology, Campinas-SP, Brazil

The screenshot shows a website page for Fraunhofer Brazil. On the left, there is a navigation menu with the Fraunhofer logo and links for 'About Fraunhofer', 'Fraunhofer Institutes', 'Fraunhofer in Brazil', 'News/Events', and 'Contact'. Below this is a link to 'Fraunhofer-Gesellschaft'. The main content area features a green header with 'Fraunhofer Brazil' and a 'Project Center' section listing 'Fraunhofer Project Center at ITAL (FPC-ITAL)' and 'Fraunhofer Project Center at UFBA (FPC-UFBA)'. The main heading is 'Fraunhofer Project Center for Innovations in Food and Bioresources at ITAL'. The text describes the importance of food and agricultural goods in Brazil and the center's focus on sustainable production through innovation. It lists activities such as energy and materials from renewable resources, packaging systems, and functional food development. The page also mentions a partnership with the State of São Paulo and the aim to increase added value across food and bioenergy production chains.

Figure 5. Fraunhofer Brazil Center for Innovations in Food and Bioresources

## Multinational

Fraunhofer (multinational) Innovation Clusters  
Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.  
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## Success built on cooperation

Fraunhofer-Gesellschaft

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### Regional structures with a global effect – the concept of innovation clusters



Linking skills and pooling resources are the right way to meet the challenges posed by globalization and the increasing dynamism of structural change. Knowledge-based industries, in particular, develop very successfully in regional clusters, which facilitate knowledge exchange and generate a critical mass of skills that complement one another. Geographical proximity between research organizations, investors and companies can produce networks that lead to new business ideas and the foundation of new enterprises.

Regional innovation clusters bridge the gap between industry and scientific research. Successful clusters can stimulate the competition on the market, and at the same time create fruitful collaborations which ultimately benefit everyone involved.

#### Impetus for regional development

A key element of the German government's high-tech strategy is therefore to promote cluster initiatives. In the "Pact for Research and Innovation", the Fraunhofer-Gesellschaft has assumed the task of conceiving and implementing innovation clusters. Such collaborative ventures set themselves clear goals and define milestones for their development. The purpose of innovation clusters is to pool the strengths of a region and activate them to solve demanding tasks. In addition to industry and universities, the networks include local nonuniversity research institutes that can make important contributions in relevant thematic areas. Through this initiative, the Fraunhofer-Gesellschaft is providing impetus for the further development of regional centers of excellence, and is supporting the regions' skills and expertise. Innovation clusters will primarily serve as an instrument to help develop existing strengths. The collaborations will generally be restricted to within one federal state. Another important factor is how much money the industrial partners and the state are willing to invest in new projects within a region in addition to current expenditure.

#### Shared objectives lead to fruitful collaborations

Collaboration within the clusters should extend beyond that of a mere communication network. The clusters are built on mutual respect for one another's strengths and are prepared to take on specific tasks in an end-to-end chain from the invention to the final product. It is important to work together towards a shared objective, which can best be achieved through concrete projects. That is why the Fraunhofer innovation clusters are, first and foremost, project clusters. This means that the funds provided are used for particularly attractive projects that can only be implemented within a given network.

The distribution of tasks within each innovation landscape is maintained. While the public establishments create the basis for new products and services, the funds provided by industry are used to implement and market these innovations. This promotes collaboration in the development of concrete products. The positive effects of jointly achieved success on further cooperation are invaluable.

Joint, harmonized research and development at Fraunhofer Institutes, universities and in industry not only provides stimulation and helps to forge links within a cluster, but also has a financial leverage effect. Being able to mobilize equal funding from the regions and the industry involved is a prerequisite for setting up an innovation cluster, and ensures commitment on the part of all those concerned.

Figure 6. Fraunhofer Multinational Innovation Clusters

## Singapore

SPRING Singapore Centres of Innovation (SPRING Singapore is an agency under the Ministry of Trade and Industry)  
1 Fusionopolis Walk, #01-02 South Tower, Solaris, Singapore 138628; Phone +65-6278 6666

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There are ready resources available at the Centres of Innovation (COIs) to help SMEs enhance their technology innovation capabilities. These COIs are set up by SPRING in partnership with selected polytechnics and research institutes. As one-stop centres, the COIs not only provide laboratory facilities, but also technology consultancy and training courses, and assistance for SMEs to test and develop their technology projects. Each COI specialises in a different industry. Together, the six COIs cover electronics, supply chain management, environment and water, food, marine and offshore, and precision engineering industries.

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  - Test-bedding, user-trials and test marketing of new solutions
  - Business & market research and intelligence
- Republic Polytechnic, Centre of Innovation for Supply Chain Management**  
Areas of focus:
  - Value-stream/chain mapping and analytics for business process improvements
  - Process and automation simulation for logistics and supply chain scenarios
  - Performance improvement through integration of mechanization, automation and human factors engineering
  - Innovative developments from various engineering & technology disciplines for supply chain applications
- Singapore Polytechnic, Food Innovation Resource Centre**  
Areas of focus:
  - Product & process development
  - Packaging and shelf life evaluation
  - Sensory and consumer studies
  - Training programmes for competency in food and beverage
- Ngee Ann Polytechnic, Environmental and Water Technology Centre of Innovation**  
Areas of focus:
  - Water Technology - Membrane Development & Technology, Advanced Water Treatment Technologies
  - Waste Management - Resource Recovery, Advanced Materials for Sustainable Environment
  - Clean Energy - Energy Efficiency and Energy Management
  - Pollution Control -Pollutant detection and characterization, Monitoring System Development & Enhancement
- Ngee Ann Polytechnic, Marine & Offshore Technology Centre of Innovation**  
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  - Design and Analysis
  - Product / Process Improvement
  - Inspection and Testing
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- SIMTech, Precision Engineering Centre of Innovation**  
Areas of focus :
  - Machining, laser processing, injection molding, metal forming and welding
  - Manufacturing automation, mechatronic design and motion control
  - Measurement and diagnostics
  - Shop floor operation and management
  - Supply chain management
  - Complex equipment
  - Surface coating and heat treatment
  - Engineering design and simulation

Figure 7. SPRING Singapore Centers of Innovation



## Denmark

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Asiatisk Plads 2, DK-1448 Copenhagen; Phone +45 3392 1116

Mail: icdk@um.dk

The screenshot shows the homepage of the Innovation Centre Denmark website. The header includes the logo 'INNOVATION CENTRE DENMARK' and 'MINISTRY OF FOREIGN AFFAIRS OF DENMARK', along with a search bar and navigation links for 'WHAT WE OFFER', 'CASE STORIES', 'EVENTS', 'NEWS', and 'ABOUT US'. The main content area features a large banner with a quote: "We help you innovate and grow through international partnerships," and a video player titled 'Silicon Valley'. Below the banner are sections for 'Join the 2013 Bionnale Partnering Event', 'Showcase Danish Bioenergy Competences', 'Events', and 'News'. The footer contains logos for 'Invest in Denmark', 'The Trade Council', 'Ministry of Science, Innovation and Higher Education', and 'Ministry of Foreign Affairs of Denmark'.

Figure 8. Innovation Centre Denmark

## China

Shanghai Technology Innovation Center

100 Qin Zhou Road, Xuhui District, Shanghai, 200235, China; Phone: +86 21 64839007

E-mail: stic@stn.sh.cn Web: www.incubator.sh.cn



**> News**

- Joint Conference of Shanghai-North East England Steering Committee on Science and Technology -08/1/25
- co-inaugurated Space for Enterprise -08/1/8
- STIC renew a cooperative agreement with RFIC in November,2007 -08/1/8
- International Training Workshop on Planning, Building & Management of Science Parks -08/1/8
- Experts on business incubation from Asia Pacific gathering in Asia Pacific Forum on Innovation and Incubation in Shanghai -06/5/21
- 2006 Shanghai Forum on Self-innovation and Enterprises Incubation was successfully held -06/5/17
- ONE North East Members Visiting Shanghai -06/4/20
- Promoting Sino-Canada Cooperation -06/4/16

[MORE >>](#)

**> Links**

Link :



**Entering Guidance**

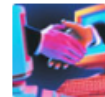
- Candidates
- Required Document
- Incorporation Procedure
- Physical Facilities
- Registration Procedure
- Qualifications
- Entering Procedure
- Contact
- Service Charges



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**International Cooperation**

- Softlanding Program
- International Cooperative Organizations



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**Cooperative Projects**

- LO-TACT-1 Project
- New DPF system of diesel emission control in China
- Digital surveillance system



[MORE >>](#)

**Policies and Regulations**

- Investment Policy in Shanghai
- General Laws and Regulation
- Preferential Polices



[MORE >>](#)

**Research and Publications**

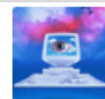
- The Report on development situation of Shanghai Business Incubator
- The Concept Development of a Network of Business-incubators in Russian Federation



[MORE >>](#)

**Useful Information**

- Training Information
- Exhibition Information
- Recruiting Information
- Intermediary Agency
- Other Information



[MORE >>](#)

Figure 9. Shanghai Technology Innovation Center

## India

National Innovation Foundation – India

Satellite Complex, Premchand Nagar, Jodhpur Tekra, Satellite Ahmedabad 380 015,

Gujarat Telephone: +91-79-2673 2456,+91-79-26753501, +91-79-26732095

National Innovation Foundation, India PO Box 15051, Vastrapur Ahmedabad 380 015, Gujarat

info @ nifindia.org

The screenshot shows the homepage of the National Innovation Foundation - India. At the top, there is a navigation menu with links for HOME, KNOW US, ACTIVITIES, AWARDS FUNCTIONS, DOWNLOADS, CAREERS, WEBMAIL, and CONTACT US. Below the navigation is a banner for the National Biennial Grassroots Innovation Awards, March 7, 2013, with a 'NEWS' tag. The main content area features a photo of the award ceremony, a speech by the Hon'ble President of India, and a speech by the Union Minister of Science and Technology. There are also links to view the 7th award winner list and explore innovations. The right sidebar contains a search award database, lists of technologies, quick links, and announcements. The bottom section includes a news archive, information corner, and follow NIF links for Twitter and LinkedIn.

**National Innovation Foundation-India**  
An Autonomous Body of Department of Science and Technology, Govt. of India  
In Support of Grassroots Innovations

HOME | KNOW US - | ACTIVITIES - | AWARDS FUNCTIONS - | DOWNLOADS - | CAREERS | WEBMAIL | CONTACT US -

National Biennial Grassroots Innovation Awards, March 7, 2013 **NEWS**  
WELCOME TO NIF - INDIA

**Search Award Database**  
Search in Site  
Google Custom Search

**LISTS OF TECHNOLOGIES**  
Product Catalogue  
Technologies available for manufacturing and/or marketing  
Grassroots Technological Innovation Acquisition Fund  
Browse Innovations by State  
Water related Technologies  
Medicinal Plant Database  
Multilingual Honey bee database

**Quick Links**  
Go

**ANNOUNCEMENTS**  
Eighth National Biennial Competition for Grassroots Innovations and Traditional Knowledge  
IGNITE 2013 National Competition of Students' Ideas and Innovations  
Preliminary shortlist of Gandhian Inclusive Innovation Award 2012  
Radio series on GRIs  
Submit Your Idea Here

**NEWS**  
20 March 2013  
Grassroots innovators need a new approach from government. Read more  
News Archive  
Patents Filed for Children

**Information Corner**  
• Citizen's charter  
• Your Right To Information (RTI)  
• RFD 2012-13  
• Public grievance

**FOLLOW NIF**  
c@g- Creativity At Grassroots  
FOLLOW US ON twitter  
Follow us on LinkedIn

The Seventh National Award function for Grassroots Innovations and Outstanding Traditional Knowledge was organised on 7 March 2013 at the President House, New Delhi. The awards were given away by Hon'ble President of India, Shri Pranab Mukherjee. 68 innovators and traditional knowledge holders, along with five communities, were awarded and appreciated at the function. [MORE](#)

**Speech by the Hon'ble President of India at the Seventh National Award function and inauguration of the Innovation Exhibition:**  
It is indeed a privilege for me to be present on this occasion and to participate in this programme of National Innovation Foundation, which is being celebrated to recognize the achievements of grassroots innovators. At the outset, I compliment the National Innovation Foundation. [Read More](#)

**Speech by the Union Minister of Science and Technology, Shri S. Jaipal Reddy, at the Seventh National Award function:**  
Honourable President of India, Shri Pranab Mukherjee; Dr. Mashelkar, the Chairperson of National Innovation Foundation; Dr. Anil Gupta, the brain behind NIF; Dr. Ramasami, Secretary, Department of Science and Technology. [Read More](#)

To View 7th Award Winner List [Click Here](#)

**Explore the Innovations**

**Events**  
7th National Biennial Grassroots Innovation Awards, March 7, 2013 [Click Here](#)  
Events Archive

Scouting & Documentation | Value Addition & Research & Devt | Business Devt & Micro Venture Funding | Intellectual Property Management | Dissemination & IT Management

Figure 10. National Innovation Foundation - India

# National Innovation Council (India)

Office of Adviser to the Prime Minister on Public Information Infrastructure & Innovations

Room No: 125, Yojana Bhawan, Parliament Street, New Delhi 110001; Phone: +91 11 23096622

Email: [officepiii@nic.in](mailto:officepiii@nic.in)

**National Innovation Council**  
Government of India

Home About Us Initiative Meetings Resources New & Events Connect

**National Innovation Council**  
Realising that innovation is the engine for the growth of prosperity and national competitiveness in the 21st century, the President of India has declared 2010 as the 'Decade of Innovation'. [Read More](#)

MEMBERS RESOURCES MEDIA GALLERY INITIATIVES

**What's New**

- Google+ Hangout on the #12thplan
- Seventh Meeting of the National Innovation Council
- NKN Public Lecture Series with Sam Pitroda and Michael Sandel

**Latest News**

- 12th Plan Hackathon
- Press Release of Google Hangout on 15th march, 2013
- Montek, Pitroda to host Google Hangout on 12th Plan

**12th Five Year Plan Hackathon**

**12th Five Year Plan Hackathon**  
Create for Change. Code for Change

**Registration opens**  
**Round 1: Between 22nd and 25th March**  
**Round 2: Between 28th March to 2nd April**

The Planning Commission and the National Innovation Council are organising the first ever Hackathon on the 12th Five Year Plan (2012-17) on 6th – 7th April 2013. The Hackathon will invite citizens to innovatively communicate the Plan through creative visualizations and software applications.

The 12th Plan sets the vision for the next five years of growth. It is a document which advises the Government (Centre and State) on initiatives which will improve all walks of life. From education to environment and from water to space, you name it we have it in the Plan

While the 12th Five Year Plan endeavors to change India, we invite you to help us change the way we see the vision for the nation. Hack the Plan over a 2-day period, create out-of-this-world visualizations of the future, tell the next big story in a myriad ways and build apps to fuel the change.

For more information and participation visit <http://data.gov.in/hackathon>. You can also follow the event @PlanComIndia, @pitrodam and at [facebook.com/PlanComIndia](https://www.facebook.com/PlanComIndia)

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[Minutes of Meetings](#)

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[Sectoral Council](#)  
[Industry Clusters](#)  
[Innovation in Education](#)  
[Fund](#)  
[Portal](#)  
[Outreach](#)  
[International Collaborations](#)

**Resources**  
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[Report](#)  
[Useful Links](#)

**NATIONAL INNOVATION COUNCIL**  
Office of Adviser to the Prime Minister on Public Information Infrastructure & Innovations  
Room No: 125, Yojana Bhawan Parliament Street New Delhi 110001  
Ph: +91 11 23096622  
Email: [officepiii\[at\]nic\[dot\]in](mailto:officepiii[at]nic[dot]in)

Figure 11. National Innovation Council (India)



## Russia

Center for Research, Education and Innovation

Skolkovo Institute of Science and Technology, ul. Novaya, d.100, Karakorum Building, 7th floor,  
Skolkovo 143025 Russian Federation

**Skolkovo**

What is Skolkovo? Communities Services ru en [горячая линия hotline@sk.ru](mailto:горячая линия hotline@sk.ru) Personal office

**Ecosystem** Participants Technopark Foundation Education Infocenter

Innovators Students Investors Partners Suppliers

# University

**Skolkovo Institute of Science and Technology**  
On October 26, 2011 Skolkovo Tech was founded

**Center for Research, Education and Innovation**  
3 R&D centers of Skolkovo Tech are being formed

**Skolkovo Open University**  
220 students and 26 500 listeners (including online)

2 YEARS / MADE IN SKOLKOVO

### EVENTS

- mar 28** Webinar in English language: Intellectual Property in Russia  
Thu 3.28.2013 19:00 - 20:00
- apr 09** Siemens Future Dialogue. The Innovation Engine: From science to solutions  
Tue 4.9.2013 00:00 - Wed 4.10.2013 23:59  
[Гиперкуб, Сколково](#)
- may 26** Startup Village. Talent. Energy. Opportunities  
Sun 5.26.2013 00:00 - Tue 5.28.2013 23:59  
[Гиперкуб, Сколково](#)
- jul 15** DLDwomen 2013 in Munich  
Mon 7.15.2013 00:00 - Tue 7.16.2013 23:59

[ALL EVENTS >](#)

### NEWS

- SKOLKOVO ROBOTICS**  
International Conference
- Expert team publishes International Declaration after Open Innovations International Forum  
21.03.2013 21:29
- Anna Nikina: Skolkovo is a leader in international partnerships for the Russian startup community  
18.03.2013 09:55
- Technopark Warms up Startups at Startup Sauna  
14.03.2013 15:50
- Skoltech's Center for Entrepreneurship and Innovation Makes Pivotal Step to Enrich Russia's Entrepreneurship and Innovation Ecosystem  
12.03.2013 13:59

**PERSONAL BLOGS** »

Clusters	City	Technopark	University	Infrastructure	Government public affairs
IT BioMed Energy Space Nuclear	Town Planning Board Master Plan Tenders	Services Common Use Centers Office rent Residents	Skolkovo Institute of Science and Technology Skolkovo Open University Business School	Customs and Finance Company Intellectual property centre Skolkovo School	Government Authorities Press International Cooperation

User Agreement Contacts  
© 2011 Skolkovo Foundation

Figure 12. Skolkovo Center for Research, Education and Innovation

## Africa

iHub Technology, Innovation, Community

4th floor, Bishop Magua Centre, Ngong Road, Nairobi Kenya. P.O Box 58275, 00200 Nairobi Kenya. Email: info(at)ihub.co.ke



Figure 13. iHub Technology, Innovation, Community

## Middle East

Center for Innovation and Technology Cooperation CITC (Caution!)

Technology Cooperation Office (TCO) of the Iranian President's Office, Tehran, Iran

Phone: (+9821) 44667322-3 URL: www.citc.ir

The screenshot displays the website of the Center for Innovation and Technology Cooperation (CITC). The header features the title "S & T Diplomacy" and the date "Sunday 24 March 2013". A navigation menu includes links for Home, Analysis, Discussion, Report, Search, About Us, Contact Us, and Persian. A search bar is also present.

The main content area is titled "About Centre for Innovation and Technology Cooperation (CITC)" and dated "Tuesday 21 Aug 2012". It features the CITC logo, which consists of a stylized 'C' and 'I' intertwined, with the text "Presidency Center for Innovation and Technology Cooperation" below it.

The text describes CITC as an Autonomous Government Center under the Hon. President of the Islamic Republic of Iran, established in 1984. Its mission is to improve international cooperation in new technologies and is active in study and research in different fields of technology, and cooperates with related centers of the country to attain technology development, knowledge economy and increasing of K-economy share in national economy.

The main activities of CITC are listed as follows:

- Promoting of new and important tools and concepts in the field of technology such as: National Innovation System, Technology Foresight, Technology Rights, Venture Investment, Technology Management and Laboratory Networking
- Organising and coordinating S&T activities
- Promoting International Cooperation in the field of advanced technologies
- Supporting High-Tech Start-ups and SMEs including Incubators, Science and Technology Parks and Venture Capital Funds
- Attribution and cooperation in the preparation of national documents such as the Ten-year National Document for Nanotechnology (Future Strategy), National Document for Biotechnology, National Macro Policies on Technology Development and National Document for Fuel Cell Technology.

Sidebars on the left and right contain "Discussion" and "Report" sections with various articles and a "News" section with a list of recent updates.

Figure 14. Center for Innovation and Technology Cooperation CITC

## *Conclusions and Discussion, and Recommendations*

### Conclusions

The researchers concluded, on the basis of their initial analysis of this sample of technology and innovation centers that they encompass a tremendous diversity of hosts and foci. It is telling that more centers were found addressing health related innovation, admittedly many

of which involved extensive applications of technology, than centers referring specifically to industrial and/or an explicitly technological focus. Readers should note that not all of the health and life-science focused centers were reported in this paper.

It was also concluded that increasing attention is being paid to innovation as it pertains to engineering and/or technological education<sup>8</sup>. Mostly this attention occurred by industrial and business hosts. A significant exception to this is the exceptionally active Fraunhofer ISI Center's work in Karlsruhe, Germany<sup>9</sup>.

Perhaps one of the most important conclusions of this initial exploratory study is the noting of an absence of other studies with this cross-sectional focus. Relatively few studies analyzing the efforts of multiple centers of innovation, the exceptions was the relatively widespread analyses of university contributors to regional innovation systems, were found. In contrast, most of the identified reports were planning documents for a single center or case studies/descriptions of a single center's activity.

## **Recommendations**

The primary recommendation advanced by the researchers is that more attention be paid to establish centers that focus on the process of innovation. We need to know more about how people go about coming up with an innovation<sup>5,10,11</sup>. What pattern recognition occurs? How does cognitive science inform us as to innovation processes. How can we evolve a theory of innovation.

Through this presentation the authors present a study that has wide application for all facets of engineering and technology education as an integral component of continuous program improvement.

## **References**

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- <sup>2</sup>Altshuller, G. (2000). *The Innovation Algorithm: TRIZ. Systematic Innovation and Technical Creativity*, Translated, edited, and annotated from Russian by Lev Shulyak and Steven Rodman, Technical Innovation Center Inc., Worcester, MA.
- <sup>3</sup>Coulton, R., & Udell, G. G. (1976). The national science foundation's innovation center--An experiment in training potential entrepreneurs and innovators. *Journal of small business management*, 21(3), 11-20.
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- <sup>5</sup>Nelson, R. R. (Ed.). (1993). *National innovation systems: a comparative analysis*. Oxford University Press, USA.
- <sup>6</sup>Nielsen, H. (2010). Universities in Regional Systems of Innovation: Has the Rural Research Center in Höfn Enhanced the Interaction Between the University and Local Actors?. Master's thesis, CIRCLE, Lund University Masters Programme in Society, Science and Technology. Retrieved from [http://esst.eu/wp-content/uploads/Nielsen\\_H\\_Thesis1.pdf](http://esst.eu/wp-content/uploads/Nielsen_H_Thesis1.pdf).

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- <sup>9</sup>Fiedler, H. (1989). Innovation center in the Federal Republic of Germany—present stage of development. The Role of Science Park in the Promotion of Innovation and the Transfer of Technology, UK Science Park Association, 9-18.
- <sup>10</sup>Kusiak, A. (2006, September). Innovation science. In *Emerging Technologies and Factory Automation, 2006. ETFA'06. IEEE Conference on* (pp. 507-514). IEEE.
- <sup>11</sup>Smith, K. G., Collins, C. J., & Clark, K. D. (2001). Building and exploiting intellectual capital: The role of social, human and physical resources. Robert H Smith School of Business accessed at <http://mail3.rhsmith.umd.edu/Faculty/KM/papers.NSF>.
- <sup>12</sup>Balbinot, Zandra; DIAS, Julie Cristini y Souza, Rafael Borim-de-. (2012). Unique Organizational Competencies of Brazilian Technological Innovation Centers. *Journal of Technology Management & Innovation* [online], 7(1) pp. 1-16. ISSN 0718-2724.

## Appendices

### *Appendix A. Sample of identified Innovation Centers*

#### University & Post-Secondary Level Centers - USA

- [Center for Global Innovation](#) University of Southern California's Marshall School of Business' Center creates and disseminates cutting edge research on how innovation helps firms compete, growth, and succeed in today's global environment.
- [Center for Innovation](#) The University of Maryland, Department of Sociology. The center is dedicated to organizational innovation research and ...
- [Center for Innovation and Entrepreneurship](#) University of Washington, Seattle, WA, Learn more about the student-led companies coming out of UW. We have 10 start-ups in the Foster Accelerator. Center for Innovation and Entrepreneurship ...
- [Center for Student Innovation](#) Rochester Institute of Technology, A round glass building on a campus of brick cubes, RIT's Center for Student Innovation is a "mixing bowl" where students, faculty, mentors, and partners mix ...
- [Center for the Study of Innovation Management](#), Delaware State University. Successful entrepreneurship innovation requires rigorous process to harvest and manage ... It is a strategic goal of the state of Delaware to strengthen its capacities for ... organizations to assist these in their efforts to incorporate center's study ...
- [D.J. Bordini Technological Innovation Center](#) Fox Valley Technical College
- [Deshpande Center for Technological Innovation](#) MIT
- [Developer's Program: Innovation Center](#) University of North Carolina-Chapel Hill, The Innovation Center, will provide a unique set of resources to accelerate select ...
- [Energy and Innovation Center](#) The McCombs School of Business at The University of Texas at Austin established the Energy Management and Innovation Center to serve as ...
- [Engineering Education Innovation Center](#) The Ohio State University
- [Faculty Innovation Center](#) Loyola Marymount University, The Instructional Technology Group supports the Faculty Innovation Center (The FIC) located in the William H. Hannon Library as well as faculty within each ...
- [Food Innovation Center](#) The Ohio State University, The Food Innovation Center at Ohio State University brings together more than 80 faculty members from 13 colleges to collaborate for a healthier, hunger-free ...
- [Food Systems Innovation Center](#) University of Kentucky, The Food Systems Innovation Center at the University of Kentucky. Providing technical and business development services to facilitate the profitable production, ...
- [Foster Center for Student Innovation](#) University of Maine, The Center was named the Foster Center for Student Innovation following a generous donation from UMaine alums Bion '68 and Dorain Foster, '68H.
- [Hammond INnovation Center](#) Purdue University Calumet's Hammond INnovation Center, a technology business incubator, a joint development of the City of Hammond and Purdue University Calumet.
- [Innovation Center](#) Clemson University, The Innovation Center was created in 2007 to focus on the needs of rural South Carolina. The center derives its funding from Clemson ...
- [Innovation Center](#) Rogers State University, The Innovation Center is charged with fostering economic development and addressing the educational needs of area business and industry.



- [Innovation Center](#) The Ohio University *Innovation Center* has been helping entrepreneurs turn their promising ideas into flourishing businesses since 1983. The Innovation Center provides valuable business incubation resources to fuel the economy in Athens, Ohio and surrounding regions
- [Innovation Center](#) University of Dayton, Ohio's Innovation Center in the School of Engineering stresses project-based learning through real problems from external clients to create future leaders and problem ...
- [Innovation Center](#) Utah Valley University, Innovation in Instruction and Technology leverages exciting educational approaches and new technologies to promote ...
- [Innovation Center for Health Quality and Innovation](#) The University of California's Center for Health Quality and Innovation is designed to promote, support and nurture ...
- [Innovation Center](#) University of Illinois – Chicago,
- [Innovation Center](#) University of Missouri-Kansas City, UMKC's Innovation Center is awarded a federal grant that will fund a collaborative 'Proof of Concept' center for the KC region. A Digital Sandbox will ...
- [Innovation Center University of Wisconsin – Whitewater](#), The Innovation Center, located in the Whitewater University Technology Park, is rapidly becoming a leading hub of innovation, entrepreneurship and business ...
- [John Deere Technological Innovation Center](#), Urbana-Champaign, IL
- [Kennedy Pharmacy Innovation Center](#) University of South Carolina, To promote entrepreneurship and interest in independent community pharmacy ownership the Kennedy Pharmacy Innovation Center (KPIC) has established the ...
- [Law Enforcement Innovation Center](#) The University of Tennessee, Provides innovative and technologically based training and technical assistance to law enforcement agencies and communities in the fields of community ...
- [Lemelson Center for Invention, Innovation and Entrepreneurship](#) Smithsonian Institution, Mission is: To document, interpret, and disseminate information about invention and innovation; To encourage inventive creativity in young people; To foster an appreciation for the central role of invention and innovation in the history of the United States
- [Mack Center for Technological Innovation](#) [mackcenter.wharton.upenn.edu/](http://mackcenter.wharton.upenn.edu/)  
<http://whartonmackcenter.com>.
- [Medical Innovation Center](#) University of Michigan Medical Center
- [Rajiv Gandhi Centre for Innovation and Entrepreneurship](#) - Imperial College London, The Rajiv Gandhi Centre - Leading innovation in British and Indian companies, was established to help Indian and UK companies improve performance in innovation and entrepreneurship.
- [Robert Mehrabian Collaborative Innovation Center](#) Carnegie Mellon University, The vision of the Robert Mehrabian Collaborative Innovation Center (CIC) is to create the optimal environment to serve the next generation of university–industry ...
- [The Don Beall Center for Innovation and Entrepreneurship](#) The University of California Irvine ... Activities sponsored by the Beall Center draw upon the local expertise that has ... the business and organizational enterprise, and who are involved in the study of ... most influential approaches to strategic innovation and entrepreneurship will ...
- [University of New Mexico Technological Innovation Center](#)
- [Van de Kamp - International Education & Workforce](#) Los Angeles Community College District, is the district's effort to offer a wide variety of globally-focused effort to offer a wide variety of globally-focused education and career-readiness services. In collaboration with the City of Los Angeles and its Workforce Investment Board / Community Development Department, ...

## International

- [Innovation Africa](#) Innovation Africa Organization
- [Technology Innovation Agency](#) Republic of South Africa
- [World Bank](#)
- [Center for the Study of Innovation](#) School of Mines, Paris, France. As the leading academic institution in France by virtue of its volume of contractual research, MINES ParisTech contributed to the competitiveness of companies. Via its 5 research departments, the School meets challenges in three main socio-economic sectors: future energy sources and the environment, the harnessing and exploitation of resources and new materials, and innovation methodologies and processes. In anticipation of the needs of industrial players, it has pioneered the creation of company chairs on emerging themes. MINES ParisTech is a founding member of ParisTech, which has brought together 12 of the leading executive engineering and management schools in Paris. Since its creation in 1783, MINES ParisTech has trained high-level engineers capable of solving complex problems in a wide variety of fields.
- [Polytechnic City of Innovation](#) Polytechnic University of Catalonia, Spain. The CPI: a tool for regional development by an entrepreneurial university and is comprised of a Research groups organization that Creates a technological base with commercializing possibilities; an Organizational mechanism to transfer research results outside the university by means of protected intellectual property; with the capability of creating enterprises in the university, Integrating academy and enterprise elements into new operating units, such as joint research centers
- [Fraunhofer ISI Institute of Systems and Innovation Research](#), Germany. The Fraunhofer Institute for Systems and Innovation Research ISI analyzes the origins and impacts of innovations. We research the short- and long-term developments of innovation processes and the impacts of new technologies and services on society. On this basis, we are able to provide our clients from industry, politics and science with recommendations for action and perspectives for key decisions. Our expertise lies in a broad scientific competence as well as an interdisciplinary and systemic research approach.
- [FUCAPI - Research and Technological Innovation Center](#), Brasil [www.fucapi.br](http://www.fucapi.br)
- [Innovation in science, technology and industry](#) The Organisation for Economic Co-operation and Development (OECD), Paris, France.

## Government Centers

- [US Department of Commerce](#), Economic Development Administration, Office of Innovation and Entrepreneurship
- [National Institute of Standards and Technology](#) <http://www.nist.gov/index.html>
- [National Science Foundation](#), Directorate for Engineering, Industrial Innovation and Partnerships (IIP)
- [Picatinny Technology Innovation Center](#) [www.picinnovation.org/home.html](http://www.picinnovation.org/home.html) The goal of the Picatinny Technology Innovation Center is to accelerate the successful commercialization of new products by entrepreneurial technology ...
- [High Performance Computing Innovation Center](#) Lawrence Livermore National Laboratory [hpcinnovationcenter.com/](http://hpcinnovationcenter.com/) By providing U.S. industry the opportunity to harness the power of supercomputing, the HPCIC boosts the nation's competitiveness in the global marketplace.

## Independent Centers

- [Boston Innovation Center](#): There are lots of ways that the Boston Innovation Center, now being built near the Institute of Contemporary Art, could turn ...
- [Cambridge Innovation Center](#) [cic.us/](http://cic.us/) (seems more of a building than a center) Neighboring the MIT campus and steps away from the Red Line in the heart of Kendall Square, Cambridge Innovation Center is the largest flexible office facility ...



- [Cary Innovation Center](#) The mission of the Cary Innovation Center is to help entrepreneurs create, launch and operate their businesses by providing professional mentoring and business education programs that maximize the opportunity for success, resulting in incremental economic growth in revenue and jobs.
- [Fairfax Innovation Center](http://www.fairfaxinnovationcenter.org/) www.fairfaxinnovationcenter.org/ The Fairfax Innovation Center is a business incubation program designed to help start-up businesses achieve maximum success. We offer everything your firm ...
- [Georgia Centers of Innovation](#) - Georgia.org www.georgia.org › Home › Business Resources Georgia Centers of Innovation accelerate the growth of technology-based companies and start-ups in Georgia, helping them to create new products and ...
- [Germantown Innovation Center](#), Montgomery County Innovation ...  
www.mcinnovationnetwork.com/facilitiesandtenants/.../germantown-i... The Germantown Innovation Center is located in the heart of the world-renowned I-270 Technology Corridor. The Center opened its doors October 2008. It is.
- [Innovation Center of the Rockies](http://www.innovationcenteroftherockies.com/), www.innovationcenteroftherockies.com/ Founded in 2005, the Innovation Center of the Rockies (ICR) is one of America's premier entrepreneurial support organizations. With its highly specialized team ...
- [Innovation Center, Corning Museum of Glass](http://www.cmog.org) www.cmog.org Collection Glass changes the world—see how in our award-winning, state-of-the-art, interactive science and technology exhibit called the Innovation Center. Do It! stations ..
- [Innovation Center](http://innovationtoday.com/), innovationtoday.com/ The approximately 9 acres of University Square is a commercial and retail center at the southeast corner of Stevens Drive and University Drive. MORE INFO > ...
- [Lowcountry Innovation Center](http://lowcountryinnovationcenter.com/) lowcountryinnovationcenter.com/ The Lowcountry Innovation Center was founded to meet the needs of today's knowledge-based companies and their highly-skilled employees. By combining ...
- [Magazine Innovation Center](http://www.maginnovation.org/) www.maginnovation.org/ Last October, the Magazine Innovation Center introduced its annual ACT Experience. ACT stands for Amplify, Clarify and Testify. The Experience lasts for two ...
- [McKinstry Innovation Center](http://www.mckinstryinnovationcenter.com/) www.mckinstryinnovationcenter.com/ Innovation is not a final destination; it's a journey as much as a process. The creative act—seeing old problems from a new angle, adjusting to and being open to ...
- [Michigan Life Science and Innovation Center](http://www.annarborusa.org/.../michigan-life-science-innovation-center) www.annarborusa.org/.../michigan-life-science-innovation-center Designed specifically for life science research and business development, MLSIC Michigan Life Science and Innovation Center (MILSIC) provides crucial ...
- [Mid Michigan Innovation Center](http://www.mmic.us/): Turning Innovation Into Success! www.mmic.us/ Mid Michigan Innovation Center is a private, non-profit organization created to provide entrepreneurs and start-up companies a supportive and collaborative ...
- [Northeast Indiana Innovation Center](http://www.niic.net/), www.niic.net/ The Innovation Center is a place dedicated to developing ideas and growing business. We believe this can be done by fostering an ...
- [Rockville Innovation Center](http://www.rockvilleredi.org/business/incubator.html), www.rockvilleredi.org/business/incubator.html located at 155 Gibbs Street in Rockville Town Center (DIRECTIONS) formally opened on June 12, 2007. The RIC provides ...
- [Shady Grove Innovation Center](#), Montgomery County Innovation ...  
www.mcinnovationnetwork.com/facilitiesandtenants/.../shady-grove-i... Shady Grove Innovation Center (SGIC) is the county's first incubator, in operation since 1999 (formerly the Maryland Technology Development Center). It set the.
- [Sierra Health Foundation, Nonprofit Innovation Center](http://www.sierrahealth.org) www.sierrahealth.org, We're proud to present Sierra Health Foundation's Nonprofit Innovation Center, a multitenant, sustainable office and conference space in Sacramento for ...

- [Southwest Michigan Innovation Center](http://www.kazoosmic.com/) www.kazoosmic.com/ The Southwest Michigan Innovation Center is a 69,000 square-foot business incubator/accelerator which provides a comprehensive range of support and ...
- [Stamford Innovation Center](http://Stamfordicenter.com/) Stamfordicenter.com/ As part of the CT Innovation Ecosystem, the Stamford Innovation Center wants to help your company grow. If you have a startup, please register at CTNext to get ...
- [Tampa Bay Innovation Center](http://www.tbinnovates.com/), www.tbinnovates.com/ Our vision is to serve as the focal point of innovation for the State of Florida and the Tampa Bay region.
- [Technology Innovation Center](http://www.theincubator.com/about) has been dedicated to early stage business growth in technology sectors for 25 years, and has served more than 300 startup companies. Established in 1986 by Northwestern University and the City of Evanston, the TIC is one of the oldest and best-known technology incubators in the United States. Over 25 years, TIC has accumulated an unmatched wealth of experience in entrepreneurial innovation to share with early-stage companies. http://www.theincubator.com/about
- [Technology Innovation Center](http://www.cityofeastlansing.com/tic), www.cityofeastlansing.com/tic The Hatch - Student Business Accelerator · Important Ordinances (One-Pager Plus) · Legal Assistance · Library · Michigan State University ...
- [The Innovation Center](http://www.innovationcenter.com/) www.innovationcenter.com/ The Innovation Center. Our business is new business™. For more than a decade, we've been conceiving, launching and marketing new consumer products and ...
- [The Innovation Center](http://www.innovatems.com/), Biloxi, Mississippi www.innovatems.com/ The Innovation Center provides a place to release your ideas and realize your potential. It's an enriching environment where sharing space, business basics and ...
- [Veterans' Innovation Center](http://future4vets.org/), helping our troops on the homefront future4vets.org/ The VIC focuses on immediate improvements in the quality-of-life for service members and veterans. VIC volunteers work aggressively with leaders throughout ...
- [Watervliet Innovation Center](http://www.ceg.org/wic/) www.ceg.org/wic/ The Innovation Center utilizes a depth of business, technology and market expertise to aid the rapid expansion of homeland security, national security and ...

## Corporate Centers

- [Accenture Innovation Center for Open Source](http://www.accenture.com/.../service-technology-innovation-center-open-s...) www.accenture.com/.../service-technology-innovation-center-open-s... Accenture's Innovation Center for Open Source shows how OSS can work in simulated environments.
- [AT&T Foundry Innovation Centers to Accelerate Technology](http://www.att.com/gen/press-room?pid=2949), AT&T www.att.com/gen/press-room?pid=2949 AT&T Foundry innovation centers are the home to technology collaboration, innovative ideas, new apps, and more. Learn more about AT&T Foundry and ...
- [AT&T innovation center](#), The AT&T Innovation Center highlights AT&T's leadership role in developing innovative applications and integrated solutions for businesses and consumers and provides the opportunity to share AT&T's vision of the future impact of technology in an ever-changing global community.
- [Battery Innovation Center](http://www.bicindiana.com/) www.bicindiana.com/, The BIC is a customer-driven single point of access for battery research, development, testing and commercialization.
- [CA Technologies Innovation Center at CEWIT](http://www.ca.com/.../Innovation/CA-Technologies-Innovation-Center-at-C...) - CA Technologies www.ca.com/.../Innovation/CA-Technologies-Innovation-Center-at-C... CA is committed to advancing technology research in areas of strategic importance to our company.
- [Center for the Study of Innovation and Productivity](http://www.frbsf.org/economics/conferences/0711/agenda.pdf) Federal Reserve ... www.frbsf.org/economics/conferences/0711/agenda.pdfShare, Center for the Study of Innovation and Productivity. Federal Reserve Bank of San Francisco. Recent Trends In Economic Volatility: Sources And ...

- [Columbus Regional Hospital, Innovation](http://www.crh.org), CRH Innovation Center [www.crh.org](http://www.crh.org) › Innovation. The Innovation Center at Columbus Regional Hospital. "The Innovation Center is the place where we create, adapt, and test ideas to deliver smarter healthcare.
- [David Druker Center for Health Systems Innovation](#) invents, catalyzes & deploys breakthrough innovations in advancing the health & wellbeing of communities.
- [Deloitte Innovation Centers](http://www.deloitte.com): Research Think Tanks - United States [www.deloitte.com](http://www.deloitte.com) › Global › United States › Insights, Innovation Centers. Lots of executives talk about innovation, but how does it actually happen? In our experience, innovation results from the convergence of a ...
- [Energy Innovation Center](http://www.sdge.com/eic), San Diego Gas & Electric [www.sdge.com/eic](http://www.sdge.com/eic)
- [Global Cardiovascular Innovation Center](http://gcic.org/) in Cleveland, Ohio [gcic.org/](http://gcic.org/), The Global Cardiovascular Innovation Center acknowledges the contribution of the State of Ohio Department of Development and the Ohio Third Frontier ...
- [HP Innovation Centers, HP](http://www.hp.com/innovationcenters/) [www.hp.com/innovationcenters/](http://www.hp.com/innovationcenters/) HP Innovation Centers focus on creating innovative business breakthroughs and helping business executives to explore and expand their business vision.
- [IBM - Cognos Innovation Center](http://www.ibm.com/software/data/cognos/innovation-center/) [www.ibm.com/software/data/cognos/innovation-center/](http://www.ibm.com/software/data/cognos/innovation-center/)
- [IBM Centers for Solution Innovation](http://www.ibm.com/services/innovation/) [www.ibm.com/services/innovation/](http://www.ibm.com/services/innovation/), We partner with you to provide true business value. You'll collaborate with a centralized, multidisciplinary team of seasoned professionals who approach ...
- [IBM Innovation Centers](#) Worldwide listing
- [IBM PartnerWorld](http://www.ibm.com/partnerworld/bpic) - IBM Business Partner Innovation Centers [www.ibm.com/partnerworld/bpic](http://www.ibm.com/partnerworld/bpic), Overview of IBM Business Partner Innovation Centers (BPICs). Centers are owned and operated by IBM Premier Business Partners who provide local delivery of ...
- [Innovation Center](http://www.nottinghamspirk.com) - Nottingham Spirk [www.nottinghamspirk.com](http://www.nottinghamspirk.com) › Vertical Innovation, Research, product design, prototyping, and testing are all conducted at our Innovation Center, ensuring efficiency, confidentiality and IP protection.
- [Innovation Center](http://www.craftsman.com/innovation-center...innovations/dcp-100000000...) department of ... [www.craftsman.com/innovation-center...innovations/dcp-100000000...](http://www.craftsman.com/innovation-center...innovations/dcp-100000000...) Learn More... | Craftsman Club; | My Profile. My List · Tools I Own. Get rewarded for shopping. Join now. Exploring the Garage; Innovation Center. Sort Products ...
- [Innovation Center for Business Analytics](#) is a forum and resource center that was created to assist organizations seeking innovative concepts, functions and ...
- [Innovation Center](http://www.humana.com/resources/about/news/.../innovation_press_kit.asp...) - Humana News [www.humana.com/resources/about/news/.../innovation\\_press\\_kit.asp...](http://www.humana.com/resources/about/news/.../innovation_press_kit.asp...) Humana is working to help develop technological advancements that assist Humana members in their pursuit of greater health and lifelong well-being.
- [Innovation Center](http://www.fh-co.com/innovation-center), FHC, Inc [www.fh-co.com/innovation-center](http://www.fh-co.com/innovation-center), Innovation Center. FHC is founded on the tradition of collaboration with our customers, vendors and even competitors. We are humbled to have worked with ...
- [Innovation Center](http://rehabhospital.org/professionals/innovation-center), Rehabilitation Hospital of the Pacific [rehabhospital.org/professionals/innovation-center](http://rehabhospital.org/professionals/innovation-center), seek. inspire. advance. a revolutionary concept in patient care. rehab's InnovationCenter (IC) is a dedicated clinical "think tank" and ...
- [Innovation Center, AT&T](http://www.corp.att.com/innovationcenter/) [www.corp.att.com/innovationcenter/](http://www.corp.att.com/innovationcenter/), The AT&T Innovation Center highlights AT&T's leadership role in developing innovative applications and integrated solutions for businesses and consumers and ...
- [Innovation Centers](http://www2.dupont.com/Innovation_Centers/en_US/) - DuPont [www2.dupont.com/Innovation\\_Centers/en\\_US/](http://www2.dupont.com/Innovation_Centers/en_US/) Any customer or partner who visits an Innovation Center gains access, not just to the local innovation team, but to the global DuPont R&D community. Innovation ...

- [Johnson & Johnson](#) to open 'innovation centers' in Bay Area, globally [www.bizjournals.com/.../johnson-johnson-innovation-cente...](http://www.bizjournals.com/.../johnson-johnson-innovation-cente...) Johnson & Johnson will establish an innovation center in the Bay Area as part of...
- [Madison Electric Products](#) :: Sparks Innovation Center [meproducts.net/sparks](http://meproducts.net/sparks), That legacy of innovation and inventiveness has helped our company grow and is the reason we've established the Sparks Innovation Center. It's a place where ...
- [Microsoft Innovation Center](#)
- [NanoMaterials Innovation Center](#) [www.nanomic.org/](http://www.nanomic.org/) An open access laboratory research facility for technology transfer in inorganic nanomaterials science and microwave processing technology. Prototyping center ...
- [PAMF Innovation Center, Systems Innovation for Healthy ...](#) [innovation.pamf.org/](http://innovation.pamf.org/)
- [Panasonic 3D Innovation Center](#), AVC Networks Company ... [panasonic.net/avc/3d-innovation/](http://panasonic.net/avc/3d-innovation/), This page introduces 3D Solution News of solutions provided by Panasonic 3D Innovation Center.
- [Pfeil Innovation Center](#) [pic.wakeupandsmelltheinnovation.com/](http://pic.wakeupandsmelltheinnovation.com/) The Pfeil Innovation Center helps leaders of all types of organizations develop Innovation as a core competency. We are currently accepting registrations for the ...
- [Qualcomm Innovation Center, Our Businesses and Organizations ...](#)  
[www.qualcomm.com/about/businesses/quicinc](http://www.qualcomm.com/about/businesses/quicinc) Open source and community-driven software development is becoming increasingly important to the wireless industry. As connected consumer products ranging ...
- [Samsung Innovation Center](#) [www.samsung.com/us/it\\_solutions/innovation-center/](http://www.samsung.com/us/it_solutions/innovation-center/) All the information you need is right here. Explore white papers that share tech and industry insights, and review case studies on the ...
- [SDE&G Energy Innovation Center](#)
- [Sidney R. Garfield Health Care Innovation Network:](#) [xnet.kp.org/innovationcenter/about/index.htm](http://xnet.kp.org/innovationcenter/about/index.htm),  
Center The Garfield Innovation Center is a living laboratory where ideas are tested and solutions are developed in a hands-on, mocked-up ...
- [Verizon Innovation Centers](#) [innovation.verizon.com/](http://innovation.verizon.com/) Our Innovation Centers inspire, enable, and showcase new innovations that tap the power of the Verizon Wireless 4G LTE network—the fastest, most advanced ...
- [Wichita Innovation Center - Cargill](#) [www.cargill.com/company/research...innovation-center/index.jsp](http://www.cargill.com/company/research...innovation-center/index.jsp) The Cargill Innovation Center in Wichita, Kansas is one of the world's most advanced food innovation facilities. The center features research, development, ...
- [Wrigley Global Innovation Center](#) [www.wrigley.com/global/about-us/global-innovation-center.aspx](http://www.wrigley.com/global/about-us/global-innovation-center.aspx)  
Wrigley's Global Innovation Center (GIC) was built on the belief that best-in-class Innovation can only be achieved if high-performing associates are brought ...

## ***Appendix B. Acronyms for Centers and Agencies Addressing Innovation***

From the acronym geek website:

[http://www.acronymgeek.com/reverse/Technological\\_Innovation\\_and\\_Entrepreneurship\\_Center](http://www.acronymgeek.com/reverse/Technological_Innovation_and_Entrepreneurship_Center)

- [3IE](#): International Institute for Innovation and Entrepreneurship
- [AASIE](#): Association for Academic and Scientific Innovation and Entrepreneurship
- [AASIE](#): Association for Advanced Studies, Innovation and Entrepreneurship
- [ACEI](#): Australian Centre for Entrepreneurship and Innovation
- [ACTI](#): Advisory Committee on Technological Innovation
- [AGCETI](#): Annual Global Conference on Entrepreneurship & Technology Innovation
- [AGISE](#): Applied Global Innovation & Social Entrepreneurship
- [AIE](#): Academy Innovation and Entrepreneurship
- [AIEC](#): Agribusiness Innovation and Entrepreneurship Center
- [AITT](#): Agency for Innovation and Technological Transfer
- [ASEI](#): Association for Social Entrepreneurship & Innovation
- [BCIE](#): Beall Center for Innovation and Entrepreneurship
- [BOSTI](#): Buffalo Organization for Social and Technological Innovation
- [CCEI](#): Connecticut Center for Entrepreneurship & Innovation
- [CCEIS](#): China Center for Entrepreneurship and Innovation Studies
- [CEATI](#): Centre for Energy Advancement through Technological Innovation
- [CEBI](#): Center for Entrepreneurship and Business Innovation
- [CEEI](#): Center for Engineering Entrepreneurship & Innovation
- [CEI](#): Center for Entrepreneurship and Innovation
- [CEI](#): Center of Entrepreneurship & Innovation
- [CEI](#): Center on Entrepreneurship and Innovation
- [CEI](#): Collaborative for Entrepreneurship and Innovation
- [CEIM](#): Centre for Entrepreneurship and Innovation Management
- [CEIs](#): Center for Entrepreneurship and Innovation's
- [CERI](#): Center for Entrepreneurship, Research & Innovation
- [CERVIE](#): Centre of Excellence for Research, Value Innovation and Entrepreneurship
- [CGEI](#): Center for Global Entrepreneurship and Innovation
- [CIE](#): Center for Innovation and Entrepreneurship
- [CIE](#): Center for Innovation Entrepreneurship
- [CIE](#): Center für Innovation & Entrepreneurship
- [CIE](#): Centre of Innovation and Entrepreneurship
- [CIEL](#): Center for Innovation & Entrepreneurship in Lidk
- [CIEL](#): Center for Innovation, Entrepreneurship and Leadership
- [CIEL](#): Copenhagen Innovation and Entrepreneurship Lab
- [CIEP](#): Corporate Innovation and Entrepreneurship Program
- [CIIE](#): Center for Innovation, Incubation, and Entrepreneurship
- [CIIE](#): Centre of Innovation, Incubation and Entrepreneurship
- [CISE](#): Center for Innovation Systems Entrepreneurship
- [CISEG](#): Center for Innovation Systems Entrepreneurship and Growth
- [CITE](#): Center for Innovation and Technology Entrepreneurship
- [CITT](#): Centre of Innovation and Technological Transfer
- [CRIE](#): Center for Research in Innovation and Entrepreneurship
- [CTIEM](#): Center for Technological Innovation and Entrepreneurship Management
- [DCTI](#): Deshpande Center for Technological Innovation
- [DTIIS](#): Development and Technological Innovation Industrial Survey
- [E&I](#): Entrepreneurship and Innovation
- [E&IP](#): Entrepreneurship & Innovation Policy
- [ECEI](#): European Conference on Entrepreneurship and Innovation

- [ECI](#): Entrepreneurship & Corporate Innovation
- [ECIC](#): Entrepreneurship Commercialisation and Innovation Centre
- [ECIE](#): Emirates Center for Innovation & Entrepreneurship
- [ECIE](#): European Conference on Innovation and Entrepreneurship
- [EDTI](#): Economic Development and Technological Innovation
- [EI](#): Entrepreneurship and Innovation
- [EIBIE](#): European Institute for Business Innovation and Entrepreneurship
- [EIC](#): Entrepreneurship and Innovation Center
- [EIC](#): Entrepreneurship Innovation Center
- [EII](#): Entrepreneurship and Innovation Institute
- [EILC](#): Entrepreneurship & Innovation Learning Community
- [EIP](#): Entrepreneurship and Innovation Program
- [EIX](#): Entrepreneurship and Innovation Exchange
- [ELITE](#): Entrepreneurship, Leadership, Innovation and Technology in Engineering
- [ETI](#): Economics of Technological Innovation
- [ETI](#): Entrepreneurship, Technology and Innovation
- [FCEI](#): Farley Center for Entrepreneurship and Innovation
- [FEI](#): Forum on Entrepreneurship and Innovation
- [FSRTI](#): Forum on Scientific Research and Technological Innovation
- [FSRTI](#): Foundation for Scientific Research and Technological Innovation
- [GIEI](#): Global Innovation Entrepreneurship Institute
- [HSIEC](#): Homeland Security Innovation and Entrepreneurship Center
- [I.E.I.](#): Innovation and Entrepreneurship Initiative
- [I.E.I.](#): Innovation and Entrepreneurship Institute
- [I.E.I.](#): Institute for Entrepreneurship and Innovation
- [I4IE](#): Institute for Innovation & Entrepreneurship
- [I4IE](#): Institute for Innovation and Entrepreneurship
- [IAE](#): Innovation and Entrepreneurship
- [IATI](#): Integrated Approach to Technological Innovation
- [ICE](#): Innovation, Creativity, and Entrepreneurship
- [ICEI](#): Interdisciplinary Centre for Entrepreneurship and Innovation
- [ICEIRD](#): International Conference for Entrepreneurship, Innovation and Regional Development
- [ICIE](#): International Center for Innovation & Entrepreneurship
- [ICIE](#): International Conference on Innovation and Entrepreneurship
- [IDEA](#): Innovation, Design and Entrepreneurship Alliance
- [IDEA](#): Innovation, Design, Entrepreneurship, and Arts
- [IEC](#): Innovation and Entrepreneurship Center
- [IEDC](#): Innovation & Entrepreneurship Development Centre
- [IEDC](#): Innovation and Entrepreneurship Development Cell
- [IEDC](#): Innovation and Entrepreneurship Development Centre
- [IEI](#): Innovation & Entrepreneurship Institute
- [IEI](#): Institute for Entrepreneurship and Innovation
- [IEIG](#): Institute for Entrepreneurship Innovation and Growth
- [IICIES](#): Indonesia International Conference on Innovation, Entrepreneurship, & Small
- [IIE](#): Institute for Innovation and Entrepreneurship
- [IIE](#): Institute of Innovation and Entrepreneurship
- [IEM](#): Industrial Innovation, Entrepreneurship and Management
- [IMETI](#): International Multi-Conference on Engineering and Technological Innovation
- [IREI](#): International Roundtable on Entrepreneurship and Innovation
- [ISEMI](#): Institute for the Study of Entrepreneurship and Management of Innovation
- [ITC](#): Innovation and Technological Center
- [ITI](#): Institute for Technological Innovation



- [JCEI](#): Johnson Center for Entrepreneurship and Innovation
- [JCEMSI](#): Johnson Center for Entrepreneurship & Medical Science Innovation
- [JCIE](#): Joint Centre of Innovation and Entrepreneurship
- [LCIIE](#): Lemelson Center for Invention, Innovation and Entrepreneurship
- [MCIIE](#): Malaviya Centre for Innovation, Incubation and Entrepreneurship
- [MCTI](#): Mack Center for Technological Innovation
- [MDIE](#): Medical Device Innovation and Entrepreneurship
- [MIIE](#): Michigan Initiative for Innovation and Entrepreneurship
- [NACIE](#): National Advisory Council on Innovation and Entrepreneurship
- [NCIIE](#): National Centre for Innovation Incubation and Entrepreneurship
- [NCIIE](#): North Carolina Initiative for Innovation and Entrepreneurship
- [NCTI](#): National Centre for Technological Innovation
- [NIE](#): Network for Innovation and Entrepreneurship
- [OSTI](#): Organization for Social and Technological Innovation
- [PFCIE](#): Path Forward Center for Innovation and Entrepreneurship
- [R&TIA](#): Research and Technological Innovation Agency
- [RCIE](#): Research Center of Innovation and Entrepreneurship
- [RICIE](#): Rhode Island Center for Innovation and Entrepreneurship
- [RTIC](#): Research and Technological Innovation Center
- [RTIF](#): Research and Technological Innovation Fund
- [SATI](#): State Agency for Technological Innovation
- [SEIA](#): Sustainable Entrepreneurship & Innovation Alliance
- [SELIG](#): Strategic Entrepreneurship and Leadership for Innovation Group
- [SETI](#): Society for Entrepreneurship and Technological Innovation
- [SETI](#): Society for Entrepreneurship, Technology and Innovation
- [SIE](#): Society for Innovation and Entrepreneurship
- [SIIE](#): Strascheg Institute for Innovation and Entrepreneurship
- [SSMIE](#): Society for Strategic Management, Innovation and Entrepreneurship
- [TECH](#): Technology and Entrepreneurship Center at Harvard
- [TEIC](#): Technology Entrepreneurship and Innovation Center
- [TIA](#): Technological Innovation Agency
- [TIEC](#): Technological Innovation and Entrepreneurship Center
- [TIEL](#): Technology Innovation and Entrepreneurship Labs
- [TIWG](#): Technological Innovation Working Group
- [UCIE](#): University Center for Innovation and Entrepreneurship
- [VCEI](#): Virtual Center for Entrepreneurship and Innovation
- [WCEI](#): Wageningen Center for Entrepreneurship and Innovation
- [WSIE](#): World Summit for Innovation and Entrepreneurship
- [WSIE](#): World Summit on Innovation and Entrepreneurship
- [XCEEI](#): Xerox Centre for Engineering Entrepreneurship and Innovation

End