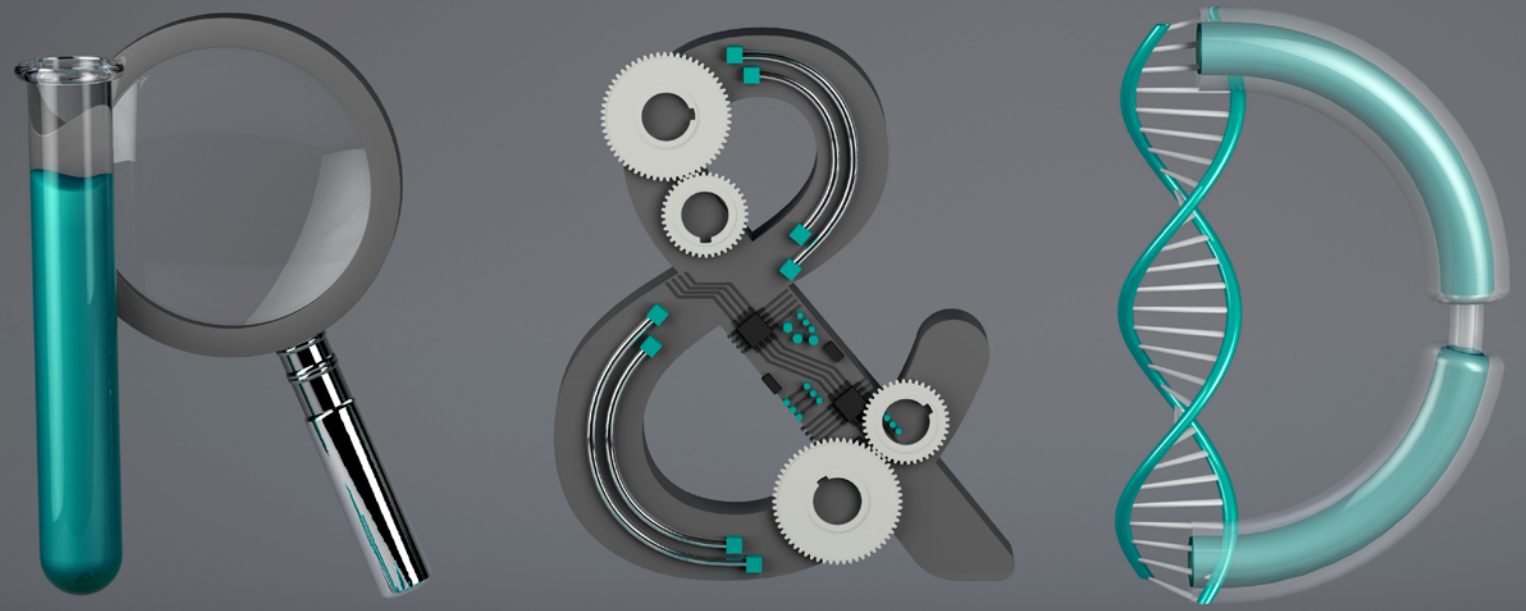
PHILIPPINE COUNCIL
FOR INDUSTRY, ENERGY,
AND EMERGING TECHNOLOGY
RESEARCH AND DEVELOPMENT
(DOST-PCIEERD)

# OUTSTANDING



# AWARDS '18

## FOR INDUSTRY, ENERGY, AND EMERGING TECHNOLOGY

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# What is a PCIEERD Outstanding R&D Award?

The award given to recognize outstanding completed R&D projects in Industry, Energy, and Emerging Technology done in the Philippines by a Filipino individual/ group.

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# Who can join the competition?

The competition is open to all Filipino scientists, researchers, and engineers from universities and colleges, R&D institutions, and private industries doing R&D work in the following sectors:

# Sectoral Coverage

## 1. Industry

- Process
- Metals & Engineering
- Chemicals
- Mining and Minerals
- Food Processing

# Sectoral Coverage

## 2. Energy, Utilities & Systems

- Alternative Sources of Energy
- Energy Efficiency
- Transportation

# Sectoral Coverage

## 3. Emerging Technology

- Materials Science/Nanotechnology
- Genomics/Biotechnology
- Information & Communications Technology
- Space Technology Applications
- Photonics
- Electronics & Semiconductor

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# Sectoral Coverage

## 4. Special Concerns

- Climate Change Adaptation
- Disaster Risk & Reduction Management
- Environment

# Mechanics of the competition

**1** The R&D project should have been conducted mainly in the Philippines and completed between January 2015 to December 2017.

**2** Submission of entries should follow prescribed format downloadable at **www.tinyurl.com/rdawards18**.

**3** Entries should be submitted not later than January 31, 2018.

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# Mechanics of the competition

**4** Entries will be screened accordingly.

**5** Finalists will be notified for presentation to Board of Judges.

**6** All entries will be treated with utmost confidentiality.

**7** The decision of the Board of Judges is final and irrevocable.

**8** The Board of Judges has the right not to declare any winner in case the minimum requirements set by the Board of Judges are not met.

# Prizes

A winner from each category (1) Industrial Technology, (2) Energy, Utilities & Systems, (3) Emerging Technology and (4) Special Concerns, will receive a plaque and a cash prize amounting to **PhP 300,000.00** (net of tax).

All finalists are entitled to receive a cash prize amounting to **PhP 30,000.00** (net of tax)

# Criteria for Judging

**1** Scientific soundness/technical rigor

**2** Overall impact of research

**3** Creativity & originality of work

**4** 6Ps output

For further details, visit **www.tinyurl.com/rdawards18**

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# Guidelines

PDF copy must be submitted using Arial 11 font, 1.5 spacing, A4-size bond paper, and should have a maximum of 25 pages including figures and table. The entry should contain the following and highlight a discussion on how the research satisfies the criteria.

**1. Executive Summary**-a one page, single-spaced, should contain discussion on impact/contribution if the research to the national development and claims on originality;

**2. Title**-Research and Development (R&D) Title;

**3. Author**-full name of author/s or implementing institution;

**4. Abstract**-one page, 1.5 spacing, not more than 350-word summary encompassing the highlight of results of the project;

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**5. Introduction**-an overview of the state-of-the-art regarding the R&D undertaken, the significance and the statement of the problem;

The project should have been able to create a value by providing a Solution to Needs, and by Maximizing Its Benefits through Differentiating with Competing Products or Technologies.

- Identify Needs (N)
- Provide Solution (S)
- Make Differentiation (D)
- Maximize Benefits (B)

Connect N-S-D-B for Value Creation

**6. Objectives**-statement of the specific purpose to address the problem areas which the project intends to solve;

**7. Review of Literature**-relevant literature and other technical works related to the research;

**8. Scientific Basis/Framework**-state-of-the-art technology or information from which the project takes off;

**9. Materials and Methods**-procedures involved, the materials used, sampling procedures, statistical analysis, methodology, and others including scope and limitation, time (seasonality), and place of study;

**10. Output**-means deliverables, product, and services related to project goals and objectives that will be produced or provided over a period of time

**PCIEERD's Expanded 6Ps: Tangible and measurable project outputs:**

1. Publications *(in recognized scientific journals)*
2. Patents *(tangible measure of innovation)*
3. Products *(commercial value of outputs)*
4. People Services *(increase in the scientific workforce)*
5. Places *(facilities that enable increased 4Ps output)*
6. Policies *(adopted science-based guidelines)*

**11. Results and Discussion**-data gathered, analysis, and interpretation of results supported by tables, graphs, pictures, maps, etc. including the comparison of targeted actual research and development output;

**12. Summary and Conclusion**-the result in brief and the generalization derived from the investigation based on evidence shown;

**13. Implications**

- Immediate or potential impact to national economy
- Mature technologies for dissemination / potential for business incubation
- Research and development breakthrough
- Result for policy and planning, formulation and implementation

**14. Recommendations**

- Findings / results that need further verification
- Result that can be formulated as a solution to a specific problem

**15. Literature Cited**-references listed alphabetically by authors. Each source shall follow the following format: author/s, year, title, edition (if source is a book), place of publication, publisher (or name of journal, if article), page number (if it is an article);

**16. Acknowledgement**-indicate key persons, institution/s, and other entities that contributed to the completion of the R&D;

**Additional Submissions**

- Recognition/Awards Received related to the project
- Curriculum Vitae (CV) maximum of 3 pages only

# For inquiries, contact:


**Nonilo A. Peña**
*Chair, R&D Awards Committee*

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