

**U.S. DEPARTMENT OF ENERGY
FUSION ENERGY POSTDOCTORAL RESEARCH PROGRAM**

Administered by the Oak Ridge Institute for Science and Education

**GENERAL INSTRUCTIONS FOR
PREPARING A COMPLETE APPLICATION PACKAGE**

All documents must be in English or include an official English translation.

1. Complete the two-page application form. A file cannot be opened without this form.
2. Attach the following:
 - a. Résumé
 - b. Publication list, including thesis or dissertation title (if applicable)
 - c. Proposed Research
3. Have two persons (including your thesis or dissertation adviser) who are familiar with your professional qualifications submit references to the address below.
4. Have transcripts (unofficial or official) sent to the address below.

APPLICATION DEADLINE

MARCH 1

RETURN THE COMPLETED APPLICATION AND ADDRESS ANY CORRESPONDENCE TO

**Fusion Energy Postdoctoral Research Program
Science and Engineering Education - MS 36
Oak Ridge Institute for Science and Education
P.O. Box 117
Oak Ridge, Tennessee 37831-0117
Debbie Alcorn: (865) 576-3428
FAX: (865) 241-5219 or 241-5220
e-mail: alcornd@ornl.gov**

**Overnight Address:
230 Warehouse Road
Oak Ridge, Tennessee 37830**

***THE DOCUMENTS CAN BE SENT BY FAX TO THE ABOVE-LISTED NUMBER
IF FAXED, DO NOT MAIL***

U.S. Department of Energy
Fusion Energy Postdoctoral Research Program
Administered by the Oak Ridge Institute for Science and Education

GENERAL INSTRUCTIONS FOR COMPLETING APPLICATION

Fill out all information completely on the application form, even if it is duplicated on the resume.

Box. Designate the desired program and facility (can use facility acronym for both); give an estimated desired starting date if offered an appointment

Item 1. List your LAST NAME FIRST, then your first and middle names.

Item 2. List your complete work address, phone and fax numbers. Address should include specific information applicable to overnight delivery.

Item 3. List your complete home address and phone number. Address should include specific information applicable to overnight delivery.

Item 4. List your country of citizenship. If you are not a U.S. citizen, indicate if you are a lawful permanent resident of the U.S.

Item 5. List your academic history beginning with the most recent. Dates for degrees awarded should match dates listed on transcripts. Grade Point Averages (GPA) should be based on the scale of A=4, B=3, C=2, D=1. Attach explanation if your transcript uses a different scale.

Item 6. List two persons whom you have asked to submit reference forms. If you have a graduate degree, the thesis or dissertation adviser must be listed as one of the three. References can be submitted on the enclosed forms, by separate letters, or a combination of the two.

Item 7. List members of scientific staff at your choice of facility with whom you have had contact.

Item 8. List academic honors.

Item 9. List employment record that is relevant to this application.

Item 10. Describe relevant research experiences. Include patents you have received or for which you have applied.

Item 11. Describe the educational and professional goals you expect to achieve as a result of participating in this program.

Item 12. Explain how you first learned about this program.

Sign and date the form.

Application

Please read the General Instructions accompanying this application. Please type or print clearly and return the completed original application form and all supporting materials to the Oak Ridge Institute for Science and Education (address on next page).

Desired Program FUSION **Desired Facility** _____ **Desired Start Date** _____

1. Name _____ (last, first middle) Social Security Number _____
2. Work mailing address _____ Work Phone () _____
 _____ Work Fax () _____
3. Home mailing address _____ Home Phone () _____
 _____ e-mail: _____
4. Citizen of _____ If other than U.S. citizen, are you a lawful permanent resident? Yes No
5. Academic history (begin with current or most recent)

Institution/campus	Dates		Degree	Date awarded or expected	Major	GPA
	From	To				

6. List two persons (including your thesis or dissertation adviser) familiar with your professional qualifications who have been asked to submit reference forms directly to ORISE

Name/Title	Address/Phone

7. List members of scientific staff at the facility of interest with whom you have had contact

Name	Address/Phone

Name _____

8. Academic honors

Award	Institution/campus	Inclusive dates

9. Relevant employment record; begin with current (include part-, full-time, military, and summer)

From	To	Employer	Type of work

10. Describe relevant research experiences; include any patents you have received or for which you have applied.

11. Describe the educational and professional goals you expect to achieve as a result of participating in this program.

12. How did you learn about this program?

- | | |
|---|--|
| <input type="checkbox"/> Journal advertisement _____
<small>Journal Name</small> | <input type="checkbox"/> University faculty adviser or other university staff |
| <input type="checkbox"/> Laboratory research adviser or other laboratory staff | <input type="checkbox"/> Newspaper, journal article, or bulletin board posting |
| <input type="checkbox"/> Scientific meeting | <input type="checkbox"/> Other _____ |

The complete application and supporting materials will be reviewed by ORISE and reproduced for submission to the staff of the facility at which you wish to perform your research.

SIGNATURE _____ DATE _____

RETURN BY FAX : DEBBIE ALCORN AT (865) 241-5219 (IF FAXED, DO NOT MAIL) OR
 RETURN BY MAIL: FUSION ENERGY POSTDOCTORAL PROGRAM, ATTN: DEBBIE ALCORN, SCIENCE AND ENGINEERING
 EDUCATION - MS 36, OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION, P.O. BOX 117, OAK RIDGE, TENNESSEE 37831

Proposed Research Form

Name _____
(last, first, middle)

First Choice Facility _____

Member of facility staff (i.e., principal investigator or research mentor) with whom you have had contact concerning this statement of research to be performed:

Name _____ Phone () _____

Address _____

Title of Proposed Research: _____

Abstract: Summarize your proposed research in a few sentences. Include the problem you wish to address and the research approach you propose. Do not exceed this space.

Key Words: Indicate six general key words (or phrases) that reflect the area of your research in order to help assign your proposal to reviewers with appropriate expertise.

Research Plan: On attached pages, present your proposed research in a manner that is suitable for peer review. Use a maximum of five typed pages with no more than 750 words per page; additional pages can be used for figures and references. Include the proposal title and page number on each sheet. Address each of the following topics and label each section with the appropriate title: Principal Objective of the Proposed Research (in list form); Background Information (including broader research or other activities of which proposed research project would be part); Experimental Design and Approach; Expected Results; Significance and/or Application of Expected Results; Relevance of Proposed Research to Facility's Programs and Goals; Aspects of the Facility Which Provide Unique Opportunities for Conducting the Proposed Research. It is suggested that the experimental design and approach be the majority of the proposal. (Any "unusual" test procedures should include brief but descriptive information regarding those methods in case particular test methods are outside reviewers's fields of expertise.)

**Oak Ridge
Institute for
Science and Education**

Fusion Energy Postdoctoral Program

Reference Form

Please type or print clearly and return the original form to Oak Ridge Institute for Science and Education (address below). A letter may be substituted, if more convenient.

APPLICANT _____
(last, first, middle)

How long and in what association have you known the applicant?

Length of time _____ Thesis or dissertation adviser Other _____

In a group of 100 other science and engineering students of comparable experience, how would you rate the applicant with respect to the following personal characteristics:

	Below Average	Average	Above Average	Out- Standing	Superior	Inadequate Opportunity To Observe
	Lowest 40	Middle 25	Next 20	Highest 15		
Motivation toward a successful productive career						<input type="checkbox"/>
Growth during total period observed						<input type="checkbox"/>
Fertility of imagination; originality of thought						<input type="checkbox"/>
Emotional stability and maturity						<input type="checkbox"/>
Ability to work with others						<input type="checkbox"/>
Self-reliance and independence						<input type="checkbox"/>

In a group of 100 other science and engineering students of comparable experience, how would you rate the applicant with respect to the following scientific capabilities:

	Below Average	Average	Above Average	Out- Standing	Superior	Inadequate Opportunity To Observe
	Lowest 40	Middle 25	Next 20	Highest 15		
Mastery of fundamental knowledge in field						<input type="checkbox"/>
Skill and originality in design of research projects						<input type="checkbox"/>
Laboratory skill and technique						<input type="checkbox"/>
Ability to communicate information (written-oral)						<input type="checkbox"/>

In the space below, add any descriptive comments which will assist in providing a complete picture of the applicant's character, attitude, and ability/potential for research. Please comment on weaknesses as well as strong points (use additional sheets if necessary).

Signature _____ Date _____

Typed or printed name _____ Title _____

Address _____

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RETURN BY MAIL: FUSION ENERGY POSTDOCTORAL RESEARCH PROGRAM, ATTN: DEBBIE ALCORN, SCIENCE AND ENGINEERING EDUCATION - MS 36, OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION, P.O. BOX 117, OAK RIDGE, TENNESSEE 37831

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(Rev. 08/94)

Applicant Data

Applicant data is important in assessing the effectiveness of our efforts to solicit applications from a diverse population. Your completion and submission of this form will assist us in this regard. We appreciate your cooperation. If you decline to give this information, it will in no way affect consideration of your application.

Name _____ Date _____

Race and/or Ethnic Origin (check one)

- Caucasian, not of Hispanic origin (Having origins in any one of the original peoples of Europe, North Africa, or the Middle East)
- African-American (Having origins in any of the Black racial groups of Africa)
- Hispanic (Of Mexican, Puerto Rican, Cuban, Central/South American, or other Spanish culture of origin, regardless of race)
- American Indian (Having origins in any of the original peoples of North America and maintaining cultural identification through tribal affiliation or community recognition)
- Asian or Pacific Islander (Having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands; for example, India, China, Japan, Korea, Philippine Islands, and Samoa)

Male Female

Birth Date _____
Month Day Year

Physical/mental handicap (Physical or mental impairment that substantially limits one or more major life activities; for example, blindness, deafness, or mobility impairment): Yes No