**Research Proposal for the Forefront Physics and Mathematics Program to Drive Transformation (FoPM) Application**

[For Students who Enrolled in the Master's Course]

**[Name of applicant: ]**

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| **1. Research Proposal**  (1) Background and Significance  Describe the background to your research including current problems, what needs to be solved and how you come up with the idea and its significance. Provide references as appropriate. |

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| (2) Research Goals and Area of Study   1. Describe your research goals, methods, and area of study. 2. Give details of your plans, including what you intend to reveal and to what extent. |

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| (3) Distinctions and Unique Points  Please describe about the following items.   1. If there are any prior researches, indicate distinctions, point of view, and unique points of the research in comparison with them. 2. Position and significance of the research among relevant researches inside and outside of Japan. 3. Expected impact and future prospects when the research is completed. |

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| (4) Timeline for Your Proposal  The length of description for each year may be changed as long as the whole description is within the given space. |

(First year)

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(Second year)

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(Third year onward)

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| **2. Research Background**  (1) Describe your research up to the present point. (You may include your graduation project and studies equivalent to such projects (e.g., Special Experiments, Theoretical Exercises)).  For the following three categories (2)–(4), list only those works in which you played a central role. List each item with a number, and state "Not applicable" for categories in which you do not have anything to list. Underline the applicant’s name.  (2) Presentations given at conferences and symposia, both domestic and international (Divide your list into oral and poster presentations, as well as reviewed and non-reviewed, and mark them accordingly.)  List only those presentations that were given by the applicant. For each item, provide the names of all authors (including the applicant, in the same order as at the time of presentation; you may omit part of the list of names by substituting them with "and XX others" if there are many co-authors), title of the presentation, name of the conference, identification number of the paper, location, and month and year of your presentation. (Presentations planned for the future should be excluded, except in cases where your submission has already been accepted. In such cases, you must attach a document verifying the acceptance of your paper.)  (3) Papers published in academic journals and books (List only those works that have already been printed or accepted for publication. Divide your list into reviewed and non-reviewed publications.)  For each item, you must provide the names of all authors (including the applicant, in the same order as in the paper; you may omit part of the list of names by substituting them with "and XX others" if there are many co-authors), title of the paper, name of the journal, publisher, volume, issue, and page numbers, and year of publication, in this order. For papers already accepted but not yet published, you must attach documents verifying their acceptance.  (4) Other (e.g., awards) |

(1)

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(2)

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(4)

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| **3. Essay on Your Motivation for Applying for FoPM and Your Vision for Your Future Career**  Describe why you wish to apply for this program and your career plans after graduating from the Doctoral course (e.g., industry, academia, government).  Describe how you aspire to create new ideas while proactively communicating and cooperating with others from different fields and cultures, and how you will use this expertise to independently contribute to society in your future career.  In addition, explain how you will take advantage of your strengths and achievements of special note (e.g., experience studying abroad, distinctive extracurricular activities) as a FoPM student and in your future career. |

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