

Project Title: Multidisciplinary Topology Optimization of Hot Structures Subject to Random Engine Acoustic Loading

Topic Number and AFRL Sponsor: RQ16-36, Dr. Philip S. Beran

University: Wright State University

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Contact Information

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Desired start date for fellowship: Provide a specific date. This does not have to coincide with the official summer or fall term start date at your institution unless required by the institution. You must start no later than 10/1/16. This date will be used as the fellowship start date in the Grant Agreement with your university.

Fellowship start date: 10/1/2016

Program of study as of Fall Term 2016 (select one): Masters

Doctoral

Highest degree in hand as of Fall Term 2016 (select one): B.S.

M.S.

Anticipated start date for research at AFRL: 9/1/2016 (may or may not coincide with fellowship start date)

Faculty:

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Briefly outline the faculty plan for on-site AFRL and off-site participation in the research:

Development of acoustic analysis and design of high speed aerospace structures.
Interaction with AFRL\IRQ through regular on-site meetings and presentations, and jointly directing the Ph.D. Student with AFRL scientists.