### A. Primary Published or Creative Work

#### A.i. Refereed Journal Articles


A.iii. Refereed Conference Proceedings


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Overview Paper

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B. Other Work

B.i. Other Conference Proceedings/Papers


48. R. W. Conn and F. Najmabadi, “The ARIES-II D-3He tokamak reactor study,” at *2nd Wisconsin Symposium on 3He and Fusion Power*, University of Wisconsin, Madison, WI, July 19-21, 1993. invited


65. F. Najmabadi, “Assessment of engineering options for attractive commercial and demonstration tokamak fusion power plant,” 12th ANS Topical Meeting on Fusion Engineering, Reno, NV, June 16-20, 1996. invited


69. F. Najmabadi, "The ARIES spherical tokamak power plant, study, "17th IEEE Symposium on Fusion Engineering, San Diego, CA October 6-9, 1997. invited


72. F. Najmabadi, “Progress toward and opportunities for attractive magnetic fusion power plants,” Fusion Power Associate Meeting on Cost effective Steps to Fusion Power, Marina Del Rey, CA, January 25-27, 1999. invited

74. F. Najmabadi, “Overview of the ARIES-ST study,” presentation at Japan/US workshop on fusion power plant studies and related advanced technologies with China, European Community, and Russia participation, P246, Kyoto University, Kyoto, Japan, March 24-26, 1999.


86. F. Najmabadi, “Design windows and trade-offs for inertial fusion energy power plants,” 6th International Symposium on Fusion Nuclear Technology, ISFNT-6, San Diego, CA, April 8-12, 2002. invited


90. F. Najmabadi, “ARIES-ST: a spherical torus fusion power plant,” at International School of Fusion Reactor Technology 9th Course of Technology of Fusion Tokamak Reactors, Ettore Majorana Foundation and Center, Erice, Italy, July 26 – August 1, 2004. invited lecture
91. F. Najmabadi, “ARIES-AT: an advanced tokamak, advanced technology fusion power plant,” at International School of Fusion Reactor Technology 9th Course of Technology of Fusion Tokamak Reactors, Ettore Majorana Foundation and Center, Erice, Italy, July 26 – August 1, 2004. invited lecture


98. F. Najmabadi, “Impact of scientific and technological developments on fusion costs,” International Energy Agency (IEA) workshop on Socioeconomics of Fusion, Culham Science Centre, United Kingdom, April 19-21, 2005.


100. Z. Dragojlovic and F. Najmabadi, “Hydrodynamic evolution of IFE chambers with different protective gases and pre-ignition conditions,” 21st IEEE Symposium on Fusion Engineering, Knoxville, TN, September 26-29, 2005. invited


102. F. Najmabadi, “Impact of advances in fusion physics & technology on the attractiveness of tokamak power plants,” 22nd annual meeting of Japan Society of Plasma Science & Nuclear Fusion Research, Tokyo, Japan, December 1, 2005. invited

103. F. Najmabadi, “Recent progress in ARIES compact stellarator study,” 15th International Toki Conference, Toki, Japan, December 6-9, 2005. invited

104. F. Najmabadi, “The future prospects of fusion power plants,” Massachusetts Institute of Technology IAP, January 10, 2006. invited

105. F. Najmabadi, “Towards attractive fusion power plants,” Korean National Fusion Research Center, Daejon, Korea April 20, 2006. invited


115. F. Najmabadi, “Key physics and technology issues compact stellarator power plants,” 18th *International Toki Conference*, Toki, Japan, December 9-12, 2008. **Invited**


128. F. Najmabadi, “Assessment and comparison of pulsed and steady-state tokamak power plant,” 21st *International Toki Conference*, Toki, Japan (November 28 to December 1, 2011). **Invited**


47. F. Najmabadi, “Fusion power: Visions and the development path in the ITER era,” University of Wisconsin, Madison, Physics Department, October 31, 2006. colloquium

48. F. Najmabadi, “Role of fusion energy in the 21st century,” University of California, Los Angeles, CA, May 1, 2007. colloquium


49a. F. Najmabadi, "Energy Challenge," UC President Board of Science and Technology, Oakland, CA (February 21, 2008).


51. F. Najmabadi, "Role of fusion energy in the 21st century," Perspective on Science and Technology Seminar, Point Loma Nazarene University (December 8, 2009). Invited colloquium

52. F. Najmabadi, “Status of fusion research,” North Carolina State University, Raleigh, NC (September 2, 2010). colloquium

53. F. Najmabadi, “Prospect for fusion energy in the 21st century,” University of Wisconsin, Madison, Electrical Engineering Department, (September 20, 2010). colloquium

55. F. Najmabadi, “Energy Challenge and fusion energy in the 21st century” Lehigh University, Physics Department, (April 26, 2012). colloquium