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Resume of Phillip Meredith Ligrani, 1984

Ligrani, Phillip Meredith

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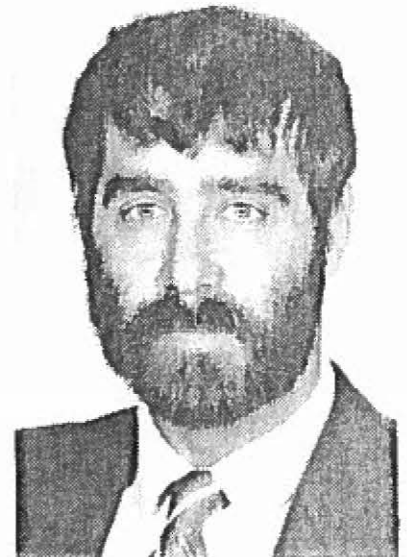
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RESUME OF PHILLIP MEREDITH LIGRANI

Phil Ligrani was born in Cheyenne, Wyoming, on February 2, 1952. He attended the University of Texas at Austin and graduated with highest honors in May, 1974, receiving a B. S. degree in Mechanical Engineering. Under a Stanford University Fellowship, a M. S. degree in Mechanical Engineering was awarded in June, 1975. This was followed by Ph.D studies under Professor Robert J. Moffat, and Professor William M. Kays. The Ph.D was awarded January, 1980.



From June 1979 to November 1982, he was an Assistant Professor in the Turbomachinery Department of the Von Karman Institute for Fluid Dynamics, located in Belgium. Here, his research focused on convective gas turbine heat transfer, turbulent flows, and thermosciences measurement techniques, including hot-wire anemometry. Proprietary research for a variety of European companies was conducted, along with teaching a variety of thermosciences and turbomachinery courses.

In November 1982, he was awarded a Visiting Senior Research Fellowship from the Science and Engineering Research Council of Great Britain, after being nominated for the fellowship by Professor Peter Bradshaw. For the next year and 10 months, he worked in the Department of Aeronautics of the Imperial College of Science and Technology, University of London, to develop sub-miniature hot-wire sensors. These were then used to study small-scale turbulence in the near-wall regions of turbulent boundary layers.

In September 1984, he began work as an Associate Professor in the Department of Mechanical Engineering of the Naval Postgraduate School. Here, research is continuing on small-scale motions in turbulent boundary layers and on topics in convective heat transfer. He is also teaching several courses in thermosciences.

He is the author of numerous technical papers, and a member of Tau Beta Pi, Pi Tau Sigma, Sigma Xi, and the American Society of Mechanical Engineers.