

MASSACHUSETTS **I**NSTITUTE OF **T**ECHNOLOGY

UPON THE RECOMMENDATION OF THE FACULTY
HEREBY CONFERS ON

Peter Basil Vranas

THE DEGREE OF
DOCTOR OF SCIENCE

IN RECOGNITION OF SCIENTIFIC ATTAINMENTS AND THE ABILITY
TO CARRY ON ORIGINAL RESEARCH AS DEMONSTRATED BY A THESIS
in the field of *Operations Research* entitled
*The Multi-Airport Ground-Holding Problem in
Air Traffic Control*

GIVEN THIS DAY UNDER THE SEAL OF THE INSTITUTE AT CAMBRIDGE
IN THE COMMONWEALTH OF MASSACHUSETTS

JUNE 1, 1992

Chinnich
SECRETARY



Charles M. Vest
PRESIDENT