**University of Maryland**

1. **J. Clark School of Engineering**

**IHOF Induction Ceremony**

**Acceptance Remarks by John Baras**

**October 24, 2016**

Distinguished Members of the Selection Committee, Chancellor Kirwan, Vice President O’Shea, Dean Pines, distinguished guests, dear colleagues, students and friends.

I am deeply moved and humbled by this honor, to join such a distinguished group of past inductees. I have always believed that being honored by your own immediate professional family is the greatest honor one can wish.

My most sincere thanks and appreciation to Marilyn and Stanford Berman for establishing and supporting the Engineering Innovation Hall of Fame.

I would like to thank the many people and organizations that supported me and helped me in the work for which I am honored today over the last twenty five years. My apologies for those I will forget.

I am grateful to NSF for the support that helped us establish the Institute for Systems Research, which became the hub for launching the Center for Satellite and Hybrid Networks in 1992, which now is called the Maryland Hybrid Networks Center (HyNet). I am grateful to NASA, industry and ARL for the support of HyNet programs. I want to thank professors Anthony Ephremides, Armand Makowski and Prakash Narayan who co-founded with me the CSHCN in 1992.

My sincere thanks to Chancellor Kirwan for his support and friendship over so many years. My work spanned four Deans of Engineering: George Dieter, Bill Destler, Nariman Farvardin and Darryll Pines. My heartfelt thanks for their continuous support in so many ways.

I would like to thank many industry leaders for their advice, guidance and support while Co-Director and Director of HyNet and for my own work, and especially to John Kenyon and Len Golding from Hughes Network Systems, Prakash Chitre from ViaSat, Tom Brackey from Hughes Space and Communications, Luis Figueroa from Boeing, and many others.

My sincere thanks to Herb Rabin, Dave Barbe and Martha Connolly of MTECH and MIPS for their support and encouragement over many years.

I want to especially acknowledge Aaron Falk (my student at the time) and Doug Dillon of HNS, who were my closest collaborators in the initial Internet over satellite protocol conception and development. This specific initial solution emerged from the framework of my joint work with Anthony Ephremides and our students, that was recognized by an Outstanding Invention of the Year Award from the Office of Technology Liaison of the University of Maryland in 1994. I also want to acknowledge the contributions and tireless efforts of John Kenyon in this remarkably successful collaboration between industry, academia and government.

I also would like to acknowledge the contributions and work of my students. 22 MS students and 11 PhD students, four research associates and many undergraduate students worked with me on the theme of Internet over satellites.

Most importantly I am grateful to my wife Mary, my partner, advisor and supporter of 49 years, for her love and selfless support and sacrifices during my entire career.

Finally this work makes me particularly proud because it is “an all Maryland accomplishment”. I am proud of the work and contributions that my students made in this effort. I am especially proud for the diversity of this group, which included people from several parts of the world as well as from the US, several women and African American students. The discoveries, development and experiments were made here at the University of Maryland and were commercialized by a great Maryland company. Even the key people I worked with from HNS were UMD graduates.

Way to go Terps!

Thank you all very much! This is a very special day for me!