CURRICULUM VITAE

HAIM NESSYAHU

<u>ADDRESS</u>

> Department of Applied Mathematics
> School of Mathematical Sciences
> Tel Aviv University (TAU)
> Ramat Aviv, Tel Aviv 69978
> ISRAEL

<u>PERSONAL DATA</u>

> Born June 21, 1964, Tel Aviv, Israel

<u>MILITARY SERVICE</u>

> 1984-1989   Captain in the IDF (Real time system analyst and computer
> programming team supervisor)

<u>PROFESSIONAL EXPERIENCE</u>

> 1990-1992   Consultant in the IDF, Part time (Real time system analyst)

<u>ACADEMIC EDUCATION</u>

> 1994   Ph.D. in Applied Mathematics,
> School of Mathematical Sciences, TAU
> Thesis: *"The Convergence Rate of Approximate solutions to
> Nonlinear hyperbolic equations"*
> Advisor: Professor Eitan Tadmor

> 1987   M.Sc. in Applied Mathematics, (summa cum laude),
> School of Mathematical Sciences, TAU
> Thesis: *"Non-oscillatory Second Order Central Type Schemes for
> Systems of Nonlinear Hyperbolic Conservation Laws"*
> Advisor: Professor Eitan Tadmor

> 1984   B.Sc. in Mathematics and computer science, (cum laude),
> School of Mathematical Sciences, TAU

ACADEMIC EXPERIENCE

1990 – 1993   Teacher, School of Mathematical Sciences, TAU
              Lecturing in various courses of Calculus, Linear Algebra, and Applied Analysis
1989 (fall)   Graduate Fellow, Institute for Computer Applications in science and
              Engineering (ICASE), NASA Langley Research Center, Hampton, Virginia.

SCHOLARSHIPS AND AWARDS

1989 – 1993   The Eugene and Leon Lehrer Doctoral Fellowship Fund
1993   The Raymond and Beverly Sackler Doctoral and Post–Doctoral Fund,
                Award for distinguished graduate and research students
1986 – 88,1993 The Vladimir Schreiber grant for distinguished research students
1989,1991   The Paul Vidermann grant for distinguished research students
1982 – 1984   The Dean Award for distinguished undergraduate students, TAU
1982   The Arie Shenkar grant for undergraduate students

LANGUAGES

Hebrew   – Native language
English – Fluent

FIELDS OF INTEREST

Primary

1. Non-linear phenomena governed by hyperbolic equations, nonlinear conservation laws and Hamilton-Jacobi Equations.

2. Initial and initial-boundary value problems in Computational Fluid Dynamics related problems.

3. Spectral and high-resolution approximations of time dependent problems.

Secondary

1. Chaotic and Turbulent Non-linear phenomena.

2. Multi resolution analysis.