



WCNA 2008

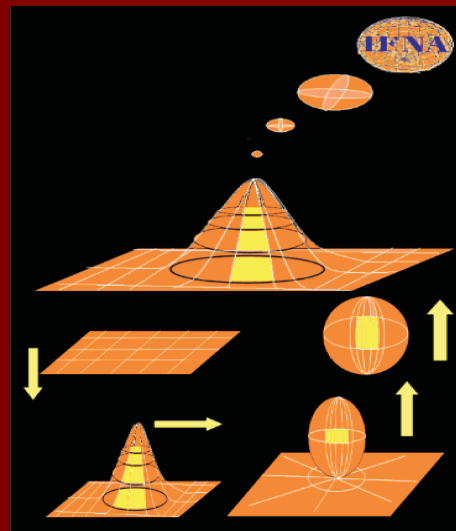
Fifth World Congress of Nonlinear Analysts

July 2-9, 2008, Orlando, Florida, USA

ORGANIZED SESSION

## ADVANCES IN GEOMETRIC ANALYSIS

(July 8, 2008)



... from linear analysis to nonlinear analysis passing across singular points ...

Organizer: Agostino Prástaro

### Keynote Speakers

P.E.T. JØRGENSEN (USA): Selected problems in nonlinear dynamics.

N.KAMRAN (Canada): The Penrose process and the wave equation in Kerr geometry.

V.LYCHAGIN (Norway): Differential invariants for differential equations.

A.PRÁSTARO (Italy): On the stability in the geometric theory of PDE's. A new MHD-PDE.

Th.M.RASSIAS (Greece): On the A.D. Aleksandrov problem in Analysis, Geometry and Physics.

**PURPOSE OF THE SESSION:** In this session we present some recent researches in mathematical analysis by using geometric approaches. Emphasis is given to some geometric methods for solving basic problems in the theory of nonlinear partial differential equations.

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