



TIEMS International Pool Teacher & Trainer Biography

Name: *Stanley Goosby*

Position: *Chief Scientist*

Organization: *Pacific Disaster Center
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Biography:

Mr. Stanley Goosby has been Chief Scientist for Pacific Disaster Center since 1996 and is a member of the Executive Management Team. From 1996 to 2001, he also served PDC as a Modeling Analyst and Manager for Applications Development. He has over 25 years of combined experience in earth-science disciplines related to disaster risk modeling, scenario development, risk analysis and natural hazard phenomenology. He has led and managed teams analyzing geophysical hazards and phenomena resulting from tsunamis, earthquakes, and volcanic activity in American Samoa, Vanuatu, Thailand and the Philippines. Additionally, Mr. Goosby has formulated and coordinated the application of the modeling resources to support the development of products simulating the impacts and consequences of hazards on communities and community resilience.

In addition, Mr. Goosby has extensive experience providing workshop briefings and training to community groups, key stakeholders, and disaster managers on tools, analysis techniques, and applications for assessing, mitigating, and managing the risk. He participated on the monitoring and evaluation team for the "Community Risk Program" of the South Pacific Applied Geoscience Commission; provided technical expertise and training to local and regional organizations in the use of models to examine the social, economic, and infrastructure impacts on a community resulting from earthquakes. Mr. Goosby participated on multi-disciplinary teams as an expert in hazard phenomenology and analysis to assess the impacts of landslides, earthquakes, flooding, and tsunami on communities in both the Pacific and Asia Pacific regions.

Goosby has also served on a number of local and regional advisory committees, including the Hawaii Earthquake Advisory Committee and the Tsunami Technical Review Committee as point-of-contact for application of numerical modeling of hazard phenomena and development of hazard assessment and visualization products.



TIEMS International Education Program Course

Teacher & Trainer: *Stanley Goosby*

Title of Course: *Disaster Risk Assessment*

Course content:

This course will introduce students to the natural hazards, including their impacts and consequence. Students will also be introduced to the different methods vulnerability, as well as overall risk. Decision support tools for assessing risk, facilitating decision making, and assessing disaster warnings will be used to enhance the learning process.

Objectives

To gain an understanding of the role of science, technology and information in disaster risk assessment, decisions making, and early warning.

Who should attend?

Students in social science and science departments, government agencies, disaster and emergency response agencies, and community leaders.

Outlines

- Introduction to natural hazards
- Methods used for assessing disaster risk
- Methods for assessing and visualizing early warnings
- Decision support framework
- Decision support tools
- Development of products
- Limitations (technology and data)