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Title of Paper:

Aspects of Technical Reliability of Navigation Systems and Human Element in
Case of Collision Avoidance

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Professional CV

Michael Baldauf started his professional career as a mariner and went by sea as A.B. and later on after his study as nautical officer on several cargo ships and container vessels. In 1993 he changed into the field of Scientifics and was employed at different universities and institutes. In 1999 he obtained his Ph.D. in Safety Engineering (title of his thesis: "Shore-based detection of danger of collision in vessel traffic") at Bergische University Wuppertal.

Presently he is employed as senior scientist with the Research Department at Hochschule Wismar. He is involved in several European and national projects for research and technical development. By now he is dealing especially with studies into enhanced integration of VDR, AIS, GALILEO, Radar and ECDIS equipment for new applications for safe navigation and enhanced alert management on board seagoing vessels.

Beside his scientific work Dr. Baldauf is also involved as a lecturer in training and education courses for students and experienced captains and chief officers as well. His subjects are collision avoidance, Integrated Navigation Systems and the introduction of new technologies into the on-board navigation processes.