

Examples for *Application for Participation Form*

Valuable *reasons to be invited* can be such as in the following list but are not limited to those. Please provide further details about your significant experience, contribution to the field and important opinion on specific topics.

- I am an operator/manager/modeling specialist of a large WWTP where mathematical models are applied for process control/optimization/training. Based on eight years practical experience I do have important suggestions and a strong opinion about use of models/guidelines/data quality/limitations of current models. Our innovative application is described below...
- I am a consulting engineer with a profound experience of mathematical modeling for upgrade and optimizations of WWTP. My profound know-how and careful dealing with data and models have led to innovative operating strategies that were implemented and helped to reduce up to 15% of the energy consumption while simultaneously improving the effluent quality. The work consisted of...
- As a consultant specialized in the use of mathematical models for the design of WWTP, I have gained a lot of experience with different existing modeling guidelines and software and have developed a good overview about the pros and cons, about what support is available and what is needed for practitioners. This long-term development has led to a strong opinion that is important to be considered for the future development of such tools. My special interest is in...
- As PhD student/ post-doc/professor in the Department for Environmental Modeling at Greatown University in Somewhere (Antarctica) I developed an interface that links the existing models for activated sludge and anaerobic digesters and therefore provides a crucial step towards plant-wide modeling...
- I am working for a Waterboard in Somewhere (Antarctica) since 10 years. We operate several WWTPs and use models in our daily work for optimization, retrofitting and also for preparing and evaluating calls for tender for major upgrades and new designs. Our experience shows, that...
- I have been responsible for the training and support of clients using the modeling software EasyWaterModeling. Systematically collecting the general problems as well as developing very special model applications have not only allowed us to continuously improve the software and our support service but have also led to particular training seminars about "good modeling practice". I think it is important to share and discuss this enormous collected experience in order to be considered in the further development of more complex models as well as for guidelines for their responsible and cost effective use...
- As an equipment supplier for WWTPs we use models to design and optimize our process units. Our experience in using models allows us to exactly suit the needs of our clients by predicting the efficiency at different operational modes and process behaviours. Based on our experience we would like to push forward some model/software related issues:...