

# MINUTES OF MVUQ TECHNICAL DIVISION MEETING

IMAC-XXIX — Tuesday 1<sup>st</sup> February, 2011 — Jacksonville, Florida

## Attendees

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## Introduction

Randy Allemand, Jim Clerk and Pete Avitabile (from the conference planning committee of the IMAC Advisory Board) introduced the TD meeting and stressed the importance of developing and organizing sessions for the next IMAC conference. Randy introduced the creation of a Technical Activity Committee (TAC) starting at next year's IMAC (2012).

## MVUQ Technical Division Elections

Each (current) officer of the TD briefly described his/her duties.

Election of (new) officers of the Technical Division for a two-year term was held. The results are:

Past chair	François Hemez	LANL	<a href="mailto:hemez@lanl.gov">hemez@lanl.gov</a>
Chair	Todd Simmermacher	SNL	<a href="mailto:twsimme@sandia.gov">twsimme@sandia.gov</a>
Vice Chair	Sezer Atamturktur	Clemson	<a href="mailto:sez@clermson.edu">sez@clermson.edu</a>
Secretary	Robert Barthorpe	Sheffield	<a href="mailto:r.j.barthorpe@sheffield.ac.uk">r.j.barthorpe@sheffield.ac.uk</a>
Historian	John McFarland	SRI	<a href="mailto:john.mcfarland@swri.org">john.mcfarland@swri.org</a>

Voting in favor of the slate of officers = 14, voting against = 0, abstention = 0. The term of newly elected officers expires in February 2013 (IMAC-XXXI).

## MVUQ Sessions for Best Paper Award

The sessions considered for the best paper award are: #10 (Mon PM), #19 (Tue AM), #25b (Tue PM), #26 (Tue PM). Matt Allen reminded us that the session chairs will be solicited to rank the papers presented in their session and to identify candidate papers for the best paper award. Matt Allen mentioned that Tom Proulx offered the idea that the 'Best MVUQ Paper Award' could be handled by the SEM president instead of the historian of the MVUQ technical division. The technical decision decided the 'Best MVUQ Paper Award' should continue to be handed by the MVUQ technical division historian.

## MVUQ Sessions for IMAC-XXX

The following sessions were proposed:

Robustness applications/design. Possibility to organize a tutorial at the beginning of the session, followed by technical presentations, and a panel discussion at the end of the session	Scott Cogan Lucas Horta
V&V for coupled models, multi-physics, multi-scale analysis	Sezer Atamturktur
Hierarchical V&V. Separate session or merge with the "validation metrics" session (above)?	Brian Adams
Uncertainty quantification applications	
Model validation applications	Todd Simmermacher
Validation metrics for comparison with test data	Brian Adams
Bayesian methods and Markov Chain Monte Carlo methods	Rob Barthorpe
Uncertainty quantification in sub-structuring methods	Matt Allen

## Other Discussion

It was proposed that there be a discussion (though a keynote or a plenary session) of the terminology and notations used in the MVUQ community and, more broadly, the IMAC community. For example, does everybody use the same working definitions for "model," "correlation," "validation," etc.? The options proposed included holding a common plenary session; providing a 2-3 page summary of terminology in the conference program; or including additional material in the call for papers.

It was proposed that the worked examples of uncertainty and validation techniques be included on the TD website. It was additionally proposed that a 'traffic counter' be added to the website.

The MVUQ officers will have a conference call or an email exchange about making a presence at SEM's Annual Meeting in May.