

# ATTEMPTS FOR IMPROVEMENT OF THE LIVE-L6 TEST' MODELING AND ANALYSIS WITH ASTEC CODE

Petar Kaleychev

Petar Kaleychev, Technical University of Sofia, Bulgaria, 1000 Sofia, 8, Kliment Ohridski Blvd., Block 12, tel. +359895586116, Fax. +3592 965 2043,  
[kaleychev@tu-sofia.bg](mailto:kaleychev@tu-sofia.bg)

**Keywords:** LIVE-L6, ASTEC, severe accident, melt, nuclear

## References

1. Fluhrer B., A. Miassoedov, T. Cron, J. Foit, X. Gaus-Liu, S. Schmidt-Stiefel, T. Wenz, I. Ivanov, D. Popov. The LIVE-L1 and LIVE-L3 Experiments on Melt Behaviour in RPV Lower Head. September 2008.
2. Kaleychev P., I. Ivanov. Modelling of melt pool formation and corium coolability in the LIVE-L1 and LIVE-L3 experiments by ASTECv.2. 2nd Topical Meeting on SARNET2 WP 5 COOL IVS, Bratislava, July 07 - 08, 2010.
3. Gaus-Liu X., A. Miassoedov, T. Cron, T. Wenz, S. Schmidt-Stiefel. LIVE-L6 Experiment with Stratified Melt Pool. Quick Look Report. March 2010.
4. Kaleychev P., I. Ivanov – Technical University of Sofia. Brief overview of TUS WP5.2 work on LIVE-L6 modelling and ASTEC analysis in the period Jan' 2012 - Jan' 2013 of JPA3. 2013.