

List of publications: Fuel Storage Safety

This list contains a summary of reports and articles in the field of fuel storage safety published by RISE (former SP).

2021

Huang, Chen. and Andrei N. Lipatnikov. Modelling of premixed turbulent combustion of cornflour dust-air cloud using OpenFOAM. in 38th International Symposium on Combustion, Work in Progress Poster. 2021. Adelaide, Australia.

Huang, Chen and Andrei N. Lipatnikov. Modelling of a vented corn starch dust explosion using an open source code. Global Dust Safety Conference 2021, oral presentation. March 1-3, 2021.

2020

Fjellgaard Mikalsen, R., Lönnermark, A., Glansberg, k., and McNamee, M., "Fire in waste facilities: Challenges and solutions from a Scandinavian perspective", Fire Safety Journal, Available online 14 May 2020.

Huang, Chen, Andrei N. Lipatnikov, and Ken Nessvi. "Unsteady 3-D RANS simulations of dust explosion in a fan stirred explosion vessel using an open source code." Journal of Loss Prevention in the Process Industries 67 (2020): 104237.

Huang, Chen and Andrei N. Lipatnikov. "Modelling of cornflour dust explosion using an open source code". in Digital Dust Safety Conference 2020, oral presentation. February 24 - 28, 2020.

2019

Gehandler, J., and Lönnermark, A., "CNG vehicle containers exposed to local fires", RISE Research Institutes of Sweden, RISE Report 2019:120, 2019.

Lönnermark, A., Persson, H., Hedenstedt, A., Jones, F., Davidsson, K., and Johansson, I., "Rekommendation för ett proaktivt brandskyddsarbete", Avfall Sverige, Rapport 2019:16, 2019.

2018

Lönnermark, A., "Brandsäker energilagring - Sammanställning av risker och forskningsbehov", RISE Research Institutes of Sweden, RISE Rapport 2018:42, 2018.

Lönnermark, A., Persson, H., Trella, F., Blomqvist, P., Boström, S., and Bergérus Rensvik, Å., "Brandsäkerhet i samband med lagring av avfallsbränslen", Avfall Sverige, Rapport 2018:09, 2018.

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Lönnermark, A., Pushp, M., Bemlar, J., Tabernan, S.-O., Johnsson, A., and Persson, H., "Metod för karakterisering av självuppvärmning av olika avfallsfraktioner", RE:SOURCE, 2018.

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Larsson, I., Lönnermark, A., Blomqvist, P., and Persson H., "Measurement of self-heating potential of biomass pellets with isothermal calorimetry", *Fire and Materials*, <https://doi.org/10.1002/fam.2441>, 0, p.1-9, 2017.

Larsson, I., Lönnermark, A., Blomqvist, P., Persson, H., and Bohlén, H., "Development of a screening test procedure based on isothermal calorimetry for determination of self-heating potential of biomass pellets", *Fire and Materials*, <https://doi.org/10.1002/fam.2427>, 0, p.1-13, 2017.

Andersson, J., Sjöström, J., Lönnermark, A., and Persson, H., "Assessment of the Self-Heating in Wood Pellets by FE Modelling", 12th International Symposium on Fire Safety Science, Lund, Sweden, June 12–16, 2017.

Larsson, I., "Measurement of Self-Heating of Biomass Pellets using Isothermal Calorimetry", Licentiate Thesis, Karlstads Universitet, 2017.

2016

Lönnermark, A., and Larsson, I., "How to assess the propensity for self-heating", Nordic Fire & Safety Days 2016, Copenhagen, Denmark, June 16th - 17th, 2016.

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Larsson, I., Lönnermark, A., Persson, H., and Blomqvist, P., "Temperature Measurements and Examination of Self-Heating in Large Scale storage of Wood Pellets", *World Bioenergy 2014*, p.233-237, Jönköping, Sweden, 3-5 June, 2014.

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Persson, H., "Brand i silo - Brandsläckning samt förebyggande och förberedande åtgärder", Myndigheten för samhällsskydd och beredskap (MSB), ISBN 978-91-7383-220-5, 2012.

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Dahl, J., Lindholst, S., Hansen, P. L., Lönnermark, A., Persson, H., and Blomqvist, P., "Large scale Utilization of Biopellets for energy Applications", 19th European Biomass Conference and Exhibition, Berlin, Germany, 6-10 June, 2011.

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