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**Abstract:** This document contains formatting instructions for preparing a paper for KONA. These formatting instructions comply with the rules set by Hosokawa Powder Technology Foundation (HPTF) for the publication of the papers in the series: KONA Powder and Particle Journal.

The manuscript title must be in “Title Case”, i.e., when writing a name or a title, you should use capital letters only for the first word.

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**Keywords:** powder, particle, the appropriate number of keywords is 5 or 6.

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The maximum pages printed in KONA are supposed to be 15 for an original paper and 25 for a review paper.

Do NOT include page numbers. Do NOT add Headers or Footers.

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$$\gamma_T \frac{dx}{dt} = F_d \cos \varphi + \xi_x(t) \quad (1)$$

$$\overline{C}(t) = \frac{1}{N} \sum_{i=1}^N C_i(t) \quad (2)$$

Left align the equation and put the number of the equation flush-right, using a Right Tab on the right margin. Please reference equations in the text by writing: Eqn. .. (do not use Equation ..) In principle, variables are to be presented in italics.

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## Acknowledgements

This scientific work was partly financed from the budget for sciences in the years 2010-2013 as Research Project No. NN209023739, and was also supported by Cummins Filtration Ltd.

## Nomenclature

Symbols and units should be listed in alphabetical order with their definition and dimensions in SI units.

AIT	Auto-Ignition Temperature (usually Minimum Auto-Ignition Temperature)
CCPS	Center for Chemical Process Safety (USA)
ISD	Inherently Safer Design
LOC	Limiting Oxygen Concentration (below which explosion is not possible)
PVC	Polyvinylchloride
STP	Standard Temperature and Pressure
$A$	surface of filter sample ( $\text{mm}^2$ )
$D$	particle size ( $\mu\text{m}$ )
$l$	length (m)
$m$	mass (kg)
$P$	pressure (Pa)
$t$	time (s)
$\Delta t$	time duration of explosion
$T$	temperature (K)
$V$	volume of a vessel (L)
$\alpha$	filter average packing density (-)
$\varepsilon$	aggregate porosity (-)
$\varepsilon_F$	filter porosity (-)
$\lambda$	gas mean free path (m)
$\mu$	gas viscosity (Pa s)
$\rho$	solid concentration in the cluster (-)
$\rho_g$	gas density ( $\text{kg m}^{-3}$ )

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