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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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Start this abstract paragraph which should summarize the scope, aims, results and conclusions of the work, and should not exceed 200 words. Below that, a graphical abstract should be provided, which should be a concise, visual summary of the article and will be displayed in the contents list both online on print.

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

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The book size will be in A4 (210 x 297 mm). Left margin 25 mm, Right Margin 20 mm, Top Margin 25 mm and Bottom Margin 25 mm. Please make sure that you do not exceed the indicated type area.

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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.

### 1.2. Type font and type size

Prescribed font is Times New Roman, 10 points, with an 11 pts line spacing (1.1 multiple lines), 1 column.

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If symbols are defined in a nomenclature section, symbols and units should be listed in alphabetical order with their definition and dimensions in SI units. In principle, variables are to be presented in italics.

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Make sure that placing and numbering of equations is consistent throughout your manuscript.

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

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

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.

## 6. Figures and tables

### 6.1. General

Figures and tables should be originals or sharp prints. Please use the SI set of units as much as possible. Figures and tables should be centered and placed either at the top or at the bottom of the page. Please do not render tables as pictures and please do not use too small font sizes in the illustrations. Please use the following fonts in your illustrations: Times New Roman, Symbol, or use fonts that look similar.

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You do not need to repeat <http://> as modern browsers do not require it. However the date of the last access should be always provided.

## 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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