

Foundry Trade Journal/Institute of Cast Metals Engineers

Notes for the Guidance of Authors of Technical Papers

Authors of technical papers are required to adhere to the rules given here for the preparation of technical papers for consideration for publication in Foundry Trade Journal. The publishers reserve the right to reject papers that have not been prepared according to these rules.

1. Technical Aspects

Papers must be original. They must either report original research work or be a detailed description of the latest technology or knowledge within a specific field related to the castings industry. Their subject matter must be of interest to an international readership.

2. Language

The papers must be written in English.

3. Submission of papers

Authors are requested to provide one hard copy and one electronic copy of their paper in a Microsoft Word document. The electronic version should be sent on CD-ROM or can be submitted to lynn@icme.org.uk

4. Paper size and manuscript length

The paper should not exceed 10 pages (including title page, text, figures and tables) when printed on A4 paper and should be no longer than 3,000 words long.

5. Text

The paper shall include title, authors names and their affiliations, abstract (maximum 130 words), chapters (introduction, experimental, results, discussion, conclusions, etc.) and references. No banners or company logos are permitted however authors should provide their email address at the end of the paper.

The text shall be typed using 12 point Arial characters and single line spacing, keeping the margins as follows: left hand side: 4 cm, right hand side, upper and lower sides: 3 cm. Text shall be justified left.

Titles of sections (introduction, experimental, results, discussion, conclusions, etc.) shall be in **bold italics** and aligned to the left margin

and one blank line shall separate the title of each section from the preceding paragraph.

All equations will be centered on the page and numbered sequentially. A preceding and succeeding blank line shall separate them from the text. The equation numbers shall appear at the right hand side of each equation, written in parentheses.

All paragraphs shall start from the left margin without leaving a space. A blank line shall exist between successive paragraphs.

Abbreviations shall be defined twice before use and abbreviations other than the ones referring to chemical formulae and units of measure will not be allowed. The SI system of units will be adhered to. (Please refer to the Simplified Table for Units, which follows these rules).

6. References

Bibliographical references shall be marked in the text by a number in brackets [1] and included in numerical order at the end of the text, as shown in the following examples (also note that author's names in the 'References' section should be listed with the surname first;

1. Griffiths W D and Lai N W, *Mould filling: the critical ingate velocity of aluminium and magnesium alloy castings*, Foundry Trade Journal, 178, No 3618, Oct 2004, pp344-348.
2. Dispinar D and Campbell J, *Determining aluminium melt quality*, 66th World Foundry Congress, Istanbul, Turkey, 6-9 Sept, 2004, pp 45-57, pub Toksad: The Foundrymen's Association of Turkey, 2004.
3. Murrell P A, Private Communication, Dec 2004.
4. Campbell J, *Castings*, 2nd Ed, Butterworth-Heinemann Ltd, Oxford 2003, ISBN 0 7506 4790 6.

7. Tables and figures

The tables and figures should normally be included at the end of the paper.

Table headings shall be left justified and placed on top of the tables. Figure captions shall be left justified and placed below the related figure. All figures (photographs, drawings, diagrams) shall be numbered with consecutive Arabic numerals in the same order as they are referred to in the text.

Diagrams, photographs and micrographs shall normally be printed in black and white and a scale marker, to show magnification, added to the micrograph.

8. Selection of the Technical Papers

The selection of the papers shall be carried out by an external assessor in accordance with the technical requirements of the Institute.

The accepted papers shall remain the property of ICME which holds the sole and exclusive copyright for the publication of these papers until they have been published or for a period of 12 months – whichever comes first. Once the paper has been printed in Foundry Trade Journal the author can seek publication elsewhere – however, if published elsewhere the paper must carry a reference to ICME and Foundry Trade Journal as the original publishers.

Enc.

Simplified table for units.

9. Address for submission of Technical Papers:

Miss Lynn Postle
Editor – Foundry Trade Journal
Institute of Cast Metals Engineers (ICME)
National Metalforming Centre
47 Birmingham Road
West Bromwich
West Midlands
B70 6PY
United Kingdom.

Tel +44 (0) 121 601 6979
Email: lynn@icme.org.uk
Web: www.foundrytradejournal.com
Web: www.icme.org.uk

Section 2: Table of Units

Length

Kilometre	km
Metre	m
Centimetre	cm
Millimetre	mm
Micron	μm
Nanometer	nm

Volume

Cubic metre	m^3
Cubic decimetre	dm^3
Cubic millimetre	mm^3
Litre	l
Centilitre	cl
Millilitre	ml

Electric current

Ampere	A
Kilo ampere	kA
Milliampere	mA
Microampere	μA

Weights

Tonne	t
Kilogramme	kg
Gramme	g
Milligramme	mg

Force

Newton	N
Kilonewton	kN
Meganewton	MN

Power

Watt	W
Kilowatt	kW

Electrical resistance

Ohm	Ω
Megaohm	M Ω
Microhm	$\mu\Omega$

Photometry

Area

Square kilometre	km^2
Square metre	m^2
Square centimetre	cm^2
Square millimetre	mm^2

Angle

Degree	$^\circ$
Angular minute	'
Angular second	"
Radian	rad

Potential difference

Volt	V
Millivolt	mV
Microvolt	μV

Time

Second	s
Minute	min
Hour	h
Day	d

Energy, work, heat

Joule	J
Kilojoule	kJ
Meganewton	MN
Kilowatthour	kWh

Pressure, stress

Pascal	Pa
Kilopascal	kPa
Megapascal	MPa
Newton/square millimetre	Nmm^{-2}

Temperature

Degree Celsius	$^\circ\text{C}$
Degree Kelvin	K
Degree Fahrenheit	$^\circ\text{F}$

Candela
Lumen
Lux

Cd
lm
lx