

Journal of the Royal Statistical Society
Series C (Applied Statistics)

Special Issue on

Case Studies in Industrial Statistics

Call for Papers

The Joint Editors invite submissions for a special issue of *Applied Statistics* devoted to case studies in industrial statistics. We would welcome papers in any area of industrial statistics including, but not restricted to:

- Automatic process control
- Chemometrics
- Design of experiments
- Reliability
- Response surface methodology
- Statistical methods for Six Sigma
- Statistical process control

Industry is broadly defined to include manufacturing, processing, pharmaceuticals, electronics, software development and so on. Case studies might be in research and development, process improvement, online monitoring, post-production or more than one of these phases. We welcome papers from any part of the world, including from industries whose market is primarily local rather than international, and from authors based in industry or academia.

Papers should be within the remit of *Applied Statistics*, printed overleaf, and will be subject to the usual standards of refereeing. Note, in particular, that papers must be driven by a specific application and details of this should be described. The statistical methodology used should also be of interest to a broader statistical audience, although the development of new methodology is not required. For example, applications which shed new light on the use of particular methodologies, or which require unusual combinations of methods, might be suitable. Routine applications of standard methods would not be suitable for *Applied Statistics*.

Manuscripts should be submitted through the *Journal's* web page at <http://mc.manuscriptcentral.com/jrss>, with a note that they are intended for the special issue, by 31 March 2009.

Journal of the Royal Statistical Society: Series C (Applied Statistics) – Aims and Scope

The *Journal of the Royal Statistical Society, Series C (Applied Statistics)*, promotes papers that are focused on statistical methods for real life problems. Applications should be central to papers, rather than illustrative, to motivate the work and to justify any methodological developments. All papers should feature an adequate description of a substantial application and a justification for any new theory. Case-studies may be particularly appropriate and should include some contextual details, though there should also be a novel statistical contribution, for instance by adapting or developing methodology, or by demonstrating the proper application of new or existing statistical methods to solve challenging applied problems. Papers describing interdisciplinary work are especially welcome, as are those that give interesting novel applications of existing methodology or provide new insights into the practical application of methods, and papers explaining innovative analysis of generic applied problems but not necessarily focused on a particular application also have a place in Series C. Short communications may also be appropriate. Methodological papers that are not motivated by a genuine application are not acceptable; nor are papers that include only brief numerical illustrations or that mainly describe simulation studies of properties of statistical techniques. However, papers describing developments in statistical computing are encouraged, provided that they are driven by practical examples. Extended algebraic treatment should be avoided.