In the first part of this book the engineering challenges posed by three different but related kinds of complex systems are discussed from a coordination perspective. Then novel approaches to deal with them are described. In particular, the focus is on distributed (Chap. 2), self-organising (Chap. 3), pervasive and (Chap. 4), sociotechnical (Chap. 5) systems.

Each chapter contributes an ingredient to the $\text{MoK}$ model described in Part II of this book, namely:

- the approach dealing with self-organisation through uniform primitives and artificial chemical reactions with custom-defined kinetic rates (Chap. 3) is the ground upon which $\text{MoK}$ reactions are conceived and designed
- the situated architecture and language presented in Chap. 4 is exploited to implement the prototype of the $\text{MoK}$ middleware on TuCSoN coordination infrastructure, using the extended ReSpecT language
- the theory of behavioural implicit communication discussed in Chap. 5, in particular the notion of tacit message, is used as the conceptual ground upon which $\text{MoK}$ user-centred self-organisation mechanisms are conceived and designed—enzymes, traces, and perturbation actions in particular