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| Titolo | Communicating sequential processes : the first 25 years : Symposium on the Occasion of 25 Years of CSP, London, UK, July 7-8, 2004 : revised invited papers // Ali E. Abdallah, Cliff B. Jones, Jeff W. Sanders (eds.) |
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| Altri autori (Persone) | AbdallahAli E. <1957-> JonesC. B <1944-> (Cliff B.) SandersJeff W HoareC. A. R <1934-> (Charles Antony Richard) |
| Disciplina | 005.13/3 |
| Soggetti | CSP (Computer program language) Parallel programming (Computer science) Sequential processing (Computer science) Computer programming Parallel processing (Electronic computers) |
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| Note generali | "The symposium CSP25 ... commemorates the semi-jubilee of ... Tony Hoare's paper 'Communicating sequential processes'"--Pref. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Semantic foundations -- Refinement and simulation -- Hardware synthesis -- Transactions -- Concurrent programming -- Linking theories -- Security -- Automated development and model checking -- Industrial-strength CSP. |
| Sommario/riassunto | This volume, like the symposium CSP25 which gave rise to it, commemorates the semi-jubilee of Communicating Sequential Processes. 1 Tony Hoare's paper "Communicating Sequential Processes" is today widely regarded as one of the most influential papers in computer science. To commemorate it, an event was organized under the auspices of BCS-FACS (the British Computer Society's Formal Aspects of Computing Science specialist group). CSP25 was one of a series of such events organized to highlight the use of formal methods, |

emphasize their relevance to modern computing and promote their wider application. BCS-FACS is proud that Tony Hoare presented his original ideas on CSP at one of its first meetings, in 1978. The two-day event, 7–8 July 2004, was hosted by London South Bank University's Institute for Computing Research, Faculty of Business, Computing and Information Management. The intention was to celebrate, reflect upon and look beyond the first quarter-century of CSP's contribution to computer science. The meeting examined the impact of CSP on many areas stretching from semantics (mathematical models for understanding concurrency and communications) and logic (for reasoning about behavior), through the design of parallel programming languages (i/o, parallelism, synchronization and threads) to applications varying from distributed software and parallel computing to information security, Web services and concurrent hardware circuits. It included a panel discussion with panelists Brookes, Hoare, de Roever and Roscoe (chaired by Jeff Sanders), poster presentations by PhD students and others, featured a fire alarm (requiring evacuation in the rain!) and concluded with the presentation of a fountain pen to Prof. Sir C. A. R. Hoare.
