Errata for Chapter 1

1. p 6: line 4 from bottom: “\( n/2 \log_2 n \)” should read as “\((n/2)\log_2 n\)”

Errata for Chapter 2

1. p 44: 8th line from bottom, remove extra unmatched “)“ at the end of the line
2. p 44: 7th line from bottom: REPLACE “\( SC_{ik}^{y_j,z_i} \)” BY “\( SC_{ij}^{x_j,y_i} \)”
3. p 44: 7th line from bottom: REPLACE “\( LS_k^{z_i} \)” BY “\( LS_j^{y_i} \)”
4. p 47: line 10: REPLACE “\( \text{Min} \text{Past}(e_j) \)” BY “\( \text{Min} \text{Future}(e_j) \)”

Errata for Chapter 3

1. p 53: **R1** bullet: REPLACE “an event (send, receive, or internal)” BY “a send or internal event”
2. p 55, line 4: REPLACE “loss causal” by “loss of causal”
3. p 55, Section 3.4.1, line 6: REPLACE “\( p_j \) local” BY “\( p_j \)’s local”
4. p 55: **R1** bullet: REPLACE “an event (send, receive, or internal)” BY “a send or internal event”
5. p 57, line 16: REPLACE “they are” BY “it is”
6. p 57, line 9 from bottom: REPLACE “cusality” BY “causality”
7. p 58, line 2: REPLACE “\( \prec \)” BY “\( \rightarrow \)”
8. p 58, line 3: REPLACE “\( T(e) < T(f) \), which” BY “\( C(e) < C(f) \)”
9. p 58, line 6: REPLACE “\( \prec \)” BY “\( \rightarrow \)”
10. p 58, line 10: REPLACE “\( \prec \)” BY “\( \rightarrow \)”
11. p 58, line 18: REPLACE “\( \prec \)” BY “\( \rightarrow \)”
12. p 58, line 21: DELETE “of linear extensions”
13. p 58, line 30: REPLACE “≺” BY “→”
14. p 58, line 32: REPLACE “P₁ and P₂” BY “p₁ and p₂”
15. p 58, line 5 from bottom: REPLACE “introduced” BY ‘introduce”
16. p 58, line 4 from bottom: REPLACE “studies” BY “study”
17. p 59, Caption of Figure 3.3: REPLACE “≺” BY “→”
18. p 59, line 5: INSERT “the set of tuples in the linear extension” AFTER “L₁ be”
19. p 59, line 10: INSERT “the set of tuples in the linear extension” AFTER “L₂ be”
20. p 59, line 11 from bottom: REPLACE “((L₁ \ P) \cap L₂ = Ø and (L₂ \ P) \cap L₁ = Ø)” BY “((L₁ \ P) \cap L₂ = Ø and (L₂ \ P) \cap L₁ = Ø).”
21. p 60: Section 3.5.1, line 14: subscripts “vtᵢ” should be “vtᵢ” (two instances)
22. p 60: Section 3.5.1, line 16: REPLACE “worst of case” BY “worst case”
23. p 64, line 20: DELETE “by”
24. p 64, line 21: REPLACE “of fourth” BY “of the fourth”
25. p 65, first para: REPLACE “<” BY “(” (9 instances)
26. p 65, first para: REPLACE “>” BY “)” (9 instances)
27. p 65, line 16: REPLACE “on fourth” BY “on the fourth”
28. p 66, line 19: delete “a”
29. p 66, line 27: add a missing closing ”)” after “vᵢ” and before “}”
30. p 68, R1 bullet: REPLACE “an event (send, receive, or internal)” BY “a send or internal event”
31. p 69, Figure 3.7: For the Pₖ process line, the first label should be “mtₑ[ᵢ, k]” instead of “mtₑ[ᵢ, k]”
32. p 69, line 4 from bottom: REPLACE “occurred” BY “that occurred”
33. p 70, line 8 from bottom: REPLACE “at process” BY “at a process”
34. p 73, line 5: REPLACE “of next” BY “of the next”
35. p 76, line 15: REPLACE “r” BY “r”
36. p 79, 5 lines above Section 3.9.2: REPLACE “synchrinization” BY “synchronization”
37. p 80, last line: DELETE “Recall that”
38. p 83, line 19: REPLACE “aplications” BY “applications”
Errata for Chapter 4

1. p 99, line 2 from bottom: REPLACE “init_snap, regular” BY “init_snap, snap_completed, regular”
2. p 99, line 2 from bottom: REPLACE “init_snap, and” BY “init_snap and”
3. p 103, lines 1-2: ADD “}” BEFORE “white” (2 instances)
   ADD “]” AFTER “C_{ij}” (2 instances)
4. p 103, line -4: REPLACE “<” BY “⟨”
5. p 103, line -3: REPLACE “>” BY “⟩”
6. p 104, line 2: REPLACE “<” BY “⟨” and REPLACE “>” BY “⟩”
7. p 107, Section 4.6.2, line 1: REPLACE “SENT_i[1, ..., N] and \textit{RECD}_i[1, ..., N]” BY “SENT_i[1, ..., n] and \textit{RECD}_i[1, ..., n]”
8. p 108, line 1: REPLACE “send” BY “send”
9. p 108, line 7 from bottom: REPLACE “send” BY “send”
10. p 108, last line: REPLACE “discused” BY “discussed”
11. p 110, Section 4.8, line 4: REPLACE “post martem” by “off-line”
12. p 110, line 7 from bottom: REPLACE “not” by “not the”
13. p 111, line 9: REPLACE “C_{i,j}” BY “C_{i,x}”
14. p 111, line 10: REPLACE “C_{x,y}” BY “C_{j,y}”
15. p 111, line 11: REPLACE “C_{i,j}” BY “C_{i,x}”
   REPLACE “C_{x,y}” BY “C_{j,y}”
16. p 112, Definition 4.1, item 2: REPLACE “1 \leq k \leq n” BY “1 \leq k \leq n - 1”
17. p 112, line 9 from bottom: REPLACE “sends \textit{m}_6 and receives \textit{m}_5 in different checkpoint intervals.” BY “sends \textit{m}_6 in an earlier checkpoint interval than the one in which it receives \textit{m}_5.”
18. p 114, line 6: DELETE “to be”
19. p 114, line 7: REPLACE “in way” BY “in a way”
20. p 114, lines 8-9: MOVE “(including zigzag cycles)” TO AFTER “path” AND BEFORE “exists”
21. p 115, line 5: ADD space after “∼s”
22. p 115, Corollary 4.2, line 2: REPLACE “N” BY “n” (2 instances)
23. p 116, line 4: REPLACE “always” BY “always a”
24. p 117, line 3 from bottom: REPLACE “N” BY “n”
25. p 118, line 5: DELETE “a set”
26. p 118, line 2 from bottom: REPLACE “T ∪ C” BY “T ∪ {C}”
27. p 119, line 2: REPLACE “T ∪ C” BY “T ∪ \{C\}”
28. p 121, line 3 from bottom: REPLACE “computation run.” BY “computation.”
29. p 124, ref [13]: REPLACE “distributed” BY “distributed”
30. p 124, ref [16]: DELETE the opening and closing single quotes.
   REPLACE “Global” BY “An introduction to global”
32. p 125, ref [33]: REPLACE “Yi-Min” BY “Y.-M.”
33. p 125, ref [34]: REPLACE “Yi-Min” BY “Y.-M.”

Errata for Chapter 5

1. p 141, lines 2e,3b,4b: The “/” symbol should be “\”
2. p 144, lines 3c,4c: The “/” symbol should be “\”
3. p 147, lines 2c: The “/” symbol should be “\”
4. p 174: 3rd line from bottom: add missing full-stop after “n/2^k”

Errata for Chapter 6

1. p 196, line 15: REPLACE “(s^2, s^1, r^2, s^3, r^1)” BY “(s^2, s^1, r^2, s^3, r^3, r^1)”
2. p 200: 9th line from bottom: correct the spelling of “acknowledgement”
3. p 213, Figure 6.13, last line in table: “P_{2,6}” should read “P_2, P_6”
4. p 217, line 3a: “where Q.e.tag = x” should be “where Q.e.tag = x and Q.e.sender_id = j”
5. p 219, Figure 6.14(b): “max(7,9)=9” should read as “max(9,9)=9”

Errata for Chapter 7
1. p 243, Section 7.3.1, line 6: replace “before” by “after”.
2. p 244, R2: “B(x’)” should be “B(x)’”.
3. p 245, the last line: “trasit” should be “transit”.
4. p 247, lines -11 and -12: “N” should be “n”.
5. p 250, lines 6 and 7: “repeat” should be “Repeat”.
6. p 250, item 5 line 3: “its” should be “it”.
7. p 253: item 8 line 3 and item 9 line 1: “repeat” should be “Repeat”.
8. p 253, line 7: “O(N)” should read “O(n)” and “N” should read “n”.
9. p 253, line 16: delete ‘no’.
10. p 253, line 17: “O(N * M)” should read “O(n * M)”.
11. p 254, line 2: ‘section the’ should be ‘section. The’.
12. p 255, Section 7.6.2, line 5: “NTD” should read as “NDT”.
13. p 256: Algorithm 7.2, line 3: “do” should be “do”.
14. p 257, line 1: “terminate” should be “terminate”.
15. p 257, Section 7.6.3, lines 7: “remove_message” should be “remove_entry message”.
16. p 258, line -2 of the third paragraph: replace “belonging to DS_i² or for messages” by “belonging to DS_i² ... or for messages”.
17. p 258, line 2 of the fourth paragraph: replace “n_i and process P_i” by “n_i. Process P_i”.
18. p 258, line 3 of the fourth paragraph: replace “when it has received” by “when it receives”.
19. p 259, lines -3, -5, and -7: replace “C_a” by “C_a”.
20. p 260, lines 15 and 17: replace “C_a” by “C_a”.
21. p 260, line 2 of the second paragraph: replace “locally evaluable” by “local”.
22. p 260, line -6: replace “P_j arrives to P_i” by “P_j arrives at P_i”.
23. p 261, S5, 2nd line: delete “(* Executed only by C_a *)”.
24. p 261, S5, 3rd line: replace “Wait until” by “Wait until”.
25. p 261, S6, 2nd line: replace “repeat” by “repeat”.
26. p 261, S6, 4th line: replace “td” by “td”.
27. p 261, S6, 5th line: replace “until td” by “until td”.
28. p 261, Section 7.7.5, first line: delete “a”.

29. p 261, S6: line 1: replace “$C_a$” by $C_\alpha$.

30. p 262, lines 5 and 14: replace “$C_a$” by $C_\alpha$.

31. p 262, lines 7: delete “ANE_i” after “set”.

32. p 262, lines 7: replace “This” by “This set is denoted by ANE_i because it”.

33. p 262, line -3: replace “NE_i” by “ANE_i”.

34. p 263, S5, 2nd line: replace “repeat” by “repeat”.

35. p 263, S5, 4th line: replace “of S” by “of S”.

36. p 263, S5, 7th line: replace “td” by “td”.

37. p 263, S5, 8th line: replace “until td” by “until td”.

38. p 263, Performance, lines 2-4: replace “Thus, its message complexity is $4n$ which is lower than the static termination detection algorithm since no acknowledgements are necessary.” by “Since no acknowledgements are necessary, its message complexity is $4n$, which is lower than the static termination detection algorithm.”

39. p 265, 10th line: replace “vertical,” by “vertical”.

40. p 268, Algorithm 7.4, line (6): replace “closk” by “clock”.

41. p 268, Algorithm 7.4, line (10): replace “endif” by “end if” and align it with if on line (8).

42. p 268, Algorithm 7.4, lines (2), (b), (c), (11), and (14): replace “<” by “⟨” and replace “>” by “⟩”.

43. p 268, the caption of Algorithm 7.4: insert “at $P_j$” after “algorithm”.

44. p 269, Algorithm 7.5, line (c): replace “≤” by “⟨” and replace “⟩” by “⟩”.

45. p 269, Algorithm 7.5, line (12): replace “<” by “⟨” and replace “>” by “⟩”.

46. p 269, the caption of Algorithm 7.5: insert “at $P_j$” after “algorithm”.

47. p 269, the first paragraph, line 2: replace “<” by “⟨” and replace “>” by “⟩”.

48. p 269, line -6: replace “at later” by “at a later”.

49. p 270, line -8: delete comma after “echo”.

50. p 271, line 7: replace “{” by “/*” and replace “}” by “*/”.

51. p 271, Algorithm 7.6, lines (c), (4), (d), (14), and (20): replace “<” by “⟨” and replace “>” by “⟩”.

52. p 272, third paragraph, line 2: replace “<” by “⟨” and replace “>” by “⟩”.

53. p 273, second paragraph, line 1: replace “$P_1, P_2, ..., P_n$” by “$\{P_1, P_2, ..., P_n\}$.”
54. p 275, line 2: add “the” before “equation”.
55. p 275, first bullet: replace $i$ by $l_i$.
56. p 275, third bullet: replace “systems” by “system’s”.
57. p 276, A3: replace “if” by “if”, “then” by “then”, and “end if” by “end if”.
58. p 276, the caption of Algorithm 7.7: insert “at $P_i$” after “algorithm”.
59. p 277, F2, line 2: replace $i$ by $l_i$.
60. p 277, F3, line 11: replace $t_i$ by $t_i$.
61. p 277 and 278, Algorithm 7.8: replace “if” by “if”, “then” by “then”, “else” by “else”, and “end if” by “end if”.
62. p 278, the caption of Algorithm 7.8: insert “at $P_i$” after “algorithm”.
63. p 278, line -4: delete “by”.
64. p 279, line 3: replace “remination” by “termination”.
65. p 279, Section 7.10, line -6: replace “algorithm” by “algorithms”.
66. p 279, Exercise 7.2, line 2: replace “processe” by “processes”.

Errata for Chapter 8

Errata for Chapter 9
1. p 306, Section 9.2.1, line 1: replace $N$ by $n$ and $S_N$ by $S_n$.
2. p 306, Section 9.2.1, first para, line -3: replace “refereed” by “referred”.
3. p 306, Section 9.2.1, first para, line -2: insert “received” after “have”.
4. p 307, Second bullet, line 2: delete “and”.
5. p 309, Section 9.3, line 3: delete “a” and replace “request” by “requests”.
6. p 312, third para, line -2: replace “preserves” by “preserve”.
7. p 313, Algorithm 9.2, item (d), line 2: insert “$S_i$” after “then”.
8. p 315, first para: replace “(2,1)” by “(1,1)”, replace all occurrence of $S_2$ by $S_1$, and replace all occurrences of $S_1$ by $S_2$.
9. p 317, line 4: replace $S_i$ by $\{S_i\}$.
10. p 318, line 2: replace “=” by “:=”.

11. p 320, item 2, line 1: replace "S_3" by "S_3's request".
12. p 321, Section 9.5.4, line -2: replace "a" by "in the".
13. p 321, Section 9.6, line 1: replace "Khemakalyani" by "Kshemakalyani".
14. p 322, first para: replace all three occurrences of S_{ni} by S_{ij}.
15. p 322, first para, last line: replace n by j.
17. p 323, item 3, line 1: replace "request" by "request".
18. p 323, para after item 3, line 4: replace "requests" by "requests".
19. p 323, line -16: replace "another then P_0" by "another. P_0".
20. p 325, first bullet, line 1: replace "are concurrent and they" by "make concurrent requests. They".
21. p 325, third bullet, lines 1 and 2: replace "and at the same time," by "just after".
22. p 325, item 1(a), line 1: replace CSet_i by CSet_i.
23. p 327, item 1, line 5: replace "algorithm" by "algorithms".
24. p 327, item 1, line 6: replace "Φ" by "φ".
25. p 327, item 2, line 1: replace "algorithm" by "algorithms".
26. p 331, third bullet, line 2: replace "appropriate" by "an appropriate".
27. p 331, third bullet, line 3: replace "REPLY(j)" by "REPLY(j)".
28. p 331, third bullet, line 3: replace "top request's site in" by "site whose request is at the top of"
29. p 331, Section 9.9, line 3: insert "the" before "hierarchical".
30. p 333, item 1: replace "{ sites" by "{sites".
31. p 335, line 1: replace "guarantees" by "guarantees".
32. p 335, item 6, line 3: replace "and waits" by "and the site waits".
33. p 337, item 1, line 4: replace "determined" by "determine".
34. p 337, item 1, line -2: insert "be" after "should".
35. p 337, item 1, line -1: replace "outdateded" by "outdated".
36. p 337, para after item 2: replace seven occurrences of "n" by "snth".
37. p 337, para after item 2, line 4: replace "nth" by "snth".
38. p 337, para after item 2, line 5: replace "N" by "n".
39. p 337, last para, lines 3 and 6: replace "N" by "n".

40. p 341, Figure 9.19: Change the caption to the following: “Tree with logically directed edges when node B holds the privilege.”.

41. p 341, Figure 9.19: The edge from B to C should be from C to B and the edge from C to G should be from G to C.

42. p 349, Section 9.15, third line: insert “the” before “last”.

43. p 349, Section 9.15, second para, first line: insert “a” before “unique”.

44. p 350, item [4], line 2: replace “technical” by “Technical”.

45. p 351, item [30], line 1: replace “Vas” by “Von”.

**Errata for Chapter 10**

1. p 353, Sec 10.2.1, line 1: ADD “a” BEFORE “directed”

2. p 353, Sec 10.2.1, line 3: REPLACE “mode” BY “node”

3. p 354, line 4: INSERT “the” AFTER “In”

4. p 357, line 10: REPLACE “process is” BY “processes in”

5. p 357, line 14: REPLACE “P is” BY “in”

6. p 357, line 23: REPLACE “in an OR” BY “in the OR”

7. p 357, last line: REPLACE “k” BY “p”

8. p 358, line 1: REPLACE “n” BY “q”

9. p 358, line 5: In the math expression, INTERCHANGE the positions of p and 1 so that 1 is above and p is below.

10. p 359, line 4: REPLACE “different to” BY “different from”

11. p 362, line 1: REPLACE “will prove” BY “have”

12. p 363, line 1: REPLACE “except the” BY “except”

13. p 363, Algorithm 10.1, step (f): REPLACE “requests P_j” BY “requests by P_j”

14. p 370, lines 16-17-18: DELETE “/* 1/|out(i)| is the fraction of weight sent in a FLOOD message */”
   DELETE the blank lines 17 and 18

15. p 370, lines 20-21: between these two lines, INSERT a new line with the left-justified text: “[”
   It should look like line 8 on page 371
16. p 371, lines 5-6: between these two lines, INSERT a new line with the left-justified text: “]”
   It should look like the second-last line on this page
17. p 372, Figure 10.4 caption: REPLACE “reached” BY “reduced”
18. p 375, line 6: REPLACE “through) through” BY “”) through”
19. p 375, last line: DELETE “a”
20. p 377, ref [19]: REPLACE “computersystems” BY “computer systems”
21. p 377, ref [21], line 2: REPLACE “;” BY “;”
22. p 377, ref [23], line 3: REPLACE “simulation” BY “Simulation”

Errata for Chapter 11

Errata for Chapter 12
1. p 415, line 10 from bottom: REPLACE “Write(x, 2)” BY “Write(y, 2)”
2. p 418, line 19: REPLACE “Write(x, 2)” BY “Write(y, 2)”
3. p 433: Algorithm 12.9, line (3f): replace “waiting[j]” by “waiting[next]”
4. p 440: line -6: replace “out” by “Rval location and zeros out the”
5. p 440, lines -5 and -4: DELETE “Rval location and then zeros”

Errata for Chapter 13
1. p 457, Section 13.2.1, line 1: replace “P1, P2,..., PN,” by “P1, P2,..., PN,”.
2. p 458, line -2: insert “if” after “which”.
3. p 459, line 5: insert “for” after “which”.
4. p 460, Section 13.2.5, line 5: insert “of” after “types”.
5. p 466, line 4: replace “can” by “could”.
6. p 472, Section 13.5.2., line 7: delete “a”.
7. p 480, Section 13.7.2, line 3: replace “m.sender” by “m.sender”.
8. p 480, Section 13.7.2, line 4: replace “msgs_sent” by “msgs_sent”.

9. p 481, fourth para, line 4: insert “to” after “back”.
10. p 481, fourth para, line 7: insert “the” after “in”.
11. p 482, Figure 13.14: Change the caption to the following: **Figure 13.14**: An example execution of the Juang-Venkatesan algorithm.
12. p 483, second bullet: replace “Uses” by “uses”.
13. p 483, third bullet, line 1: insert “a” before “consistent”.
14. p 483, third bullet, line 2: replace “a recovery” by “recovery”.
15. p 486, Section 13.8.2, line 13: replace “variable” by “variables” and “is” by “are”.
17. p 488, line -5: replace “its” by “their” and “checkpoint” by “checkpoints”.
18. p 489, line -8: delete “if”.
19. p 490, second para, line 4: insert “were” after “and”.
20. p 492, fourth bullet: delete “the” before “both”.
21. p 492, fifth bullet: replace “easeness” by “ease”.
22. p 493: add the following item after the fifth bullet:
   \[ e_i^j \rightarrow e_i^l \text{ iff } e_i^j \rightarrow e_i^l \wedge \beta \text{ such that } e_i^j \rightarrow e_i^k \rightarrow e_i^l \text{ where } e_i^j \text{ and } e_i^l \text{ are in the same process, } p_i. \]
23. p 494, fourth para, line 2: replace “rb^k_j” by “rb^k_j”.
24. p 498, first line after equ. (13.2): replace “exist” by “exists”.
25. p 498, **Theorem 13.2 Proof**, first line: replace “s” by “s”.
26. p 499, line 11: replace “Ifn(s)” by “If n(s)” and replace “n(s)then−Orphan(s, f^n)” by “n(s) then −Orphan(s, f^n)”
27. p 499, last line: delete “It is based on ...... Netzer and Xu [27]”.
28. p 500, line 2: replace “Netzer and Xu” by “Netzer and Xu [27]”.
29. p 501, item 2, line 3: replace “13.18(b).” by “13.18(b).” and replace “m_1.” by “m_1.”.
30. p 501, line 20: insert “that of” after “than”.
31. p 501, line -11: replace “whereP” by “where P”.
32. p 502, item 2, line 5: replace “corresponds” by “correspond”.
33. p 503, first bullet, line 1: replace “process a” by “a process”.
34. p 503, second bullet, line 1: delete “to”.

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35. p 505, Theorem 13.5 Proof, line 4: replace “implications” by “implication”.

36. p 505, Section 13.11: merge the last three paragraphs on this page starting with “There are three...,” “In uncoordinated ...”, and “In coordinated ...”.

37. p 506, Exercise 13.2, line 2: insert “the” before “global”.


39. p 507, line 9: replace “paper” by “papers”.

40. p 507, References: replace item [2] with the following:


41. p 507, References, item [10], line 2: replace “Computing” by “on Computers”.

42. p 508, item [29], line 2: insert “and” after “Parallel”.

43. p 509, item [35], line 2: replace “annual” by “Annual”.

44. p 509, item [36], line 1: replace “systems” by “systems,”.

Errata for Chapter 14

1. p 553, line 28: replace “operation Z” by “object Z”

Errata for Chapter 15

1. p 567, second para, line 7: insert “,” after “messages” and replace “casued” by “caused”.

2. p 567, third para, line 1: insert “a” before “distributed”.

3. p 567, third para, line 2: insert “the” before “asynchronous”.

4. p 569, first para, line -2: delete “execution”.

5. p 569, third para, lines 3 and 4: replace “A failure detector history H with range R is a function H from ΩXΦ to R.” by “A failure detector history H is a function from ΩXΦ to 2Q.”.

6. p 570, Section 15.2.3, line 4: replace “resticts” by “restricts” and “suspect” by “suspects”.

7. p 570, first bullet, line 3: replace “such that” by “such that”.

8. p 570, second bullet, line 3: replace “such that” by “such that”.

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9. p 571, **Definition 15.2**: change from italics to regular.

10. p 571, **Definition 15.3**: change from italics to regular.

11. p 572, Section 15.2.5, line 2: insert “$T_D \rightarrow D'$” after “algorithm”.

12. p 572, Section 15.2.5, line 4: insert the following after “$D'$”: “Algorithm $T_D \rightarrow D'$ requires $D'$ to maintain a variable $output_p$ at every process $p$. This variable is a part of the local state of $p$ and emulates the output of $D'$ at $p$.”

13. p 573, line 2-3: delete the following sentence: “That is, variable $output_p$ at process $p$ emulates the output of $D'$.”

14. p 573, line 18-19: replace “$T_D \rightarrow E$” to “$T_D' \rightarrow E$”.

15. p 573, line 19: replace “$D \in D'$” by “$D' \in D'$.”

16. p 574, **Algorithm 15.1**, line 7: replace “for” by “from”.

17. p 575, **Lemma 15.3**, line 3: replace “$output_R$” by “$output_R$”.

18. p 575, line -2: replace “p” by “$p$”.

19. p 576, **Algorithm 15.2**, Task 2, line 2: replace “k” by “$k$”.

20. p 579, **Algorithm 15.3**, lines 3 and 11: replace “<” by “(" and “>” by “)”.

21. p 580, Section 15.3.3, line 3: replace “satisfies the” by “satisfies”.

22. p 580, Section 15.3.3, second para, line 1: insert “problem” after “consensus”.

23. p 581, **Algorithm 15.4**, Phase 4, line 3: replace “broadcastss” by “broadcasts”.

24. p 581, **Algorithm 15.4**, Task 2, line 5: replace “decided” by “decided”.

25. p 582, first bullet, line 1: replace “p” by “$p$”.

26. p 584, Section 15.5, line 2: insert “the” before “atomic” and insert “problem” after “consensus”.

27. p 585, caption of **Algorithm 15.5**: replace “Solution” by “solution”.

28. p 587, line 7: replace “detector” by “detectors”.

29. p 587, line 8: replace “property” by “property: (An environment $E$ is a set of all possible failure patterns and $\Omega$ denotes the set of all the processes).”

30. p 589, Section 15.7, line 1: replace “fetector” by “detector”.

31. p 592, Section 15.8.1, first para, line -3: insert “a” before “communication statement”.

32. p 594, **Algorithm 15.7**, line 11: replace “-” by “-”.

33. p 594, line -8: replace “when” by “When”.

34. p 595, line 5: replace “ping” by “ping”.

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35. p 595, line -8: replace “atmost” by “at most”.
36. p 595, line -3: replace “ping(m)” by “ping(m)” and replace “Φ” by “φ”.
37. p 596, Section 15.10, second para, line 5: delete “the” before “consensus”.
38. p 596, Section 15.10, second para, line 6: replace “present” by “presents”.

Errata for Chapter 16

1. p 604, line -10: replace “message m” by “message m’”.
2. p 607, line -5: replace “client” by “client.”.
3. p 608, line 5: replace “16.5” by “Algorithm 16.5”.
4. p 609, line 6: replace “p_{t+1}=SK\oplus (SK \oplus p_{t+1})” by “p_{t+1}=SK\oplus (SK \oplus p_{t+1})”.
5. p 609, line 8: replace “N;=” by “N;=”.
6. p 610, the para after Algorithm 16.7, line 11: replace “(N_A, M, A, B)_{K_{AS}} and (N_B, M, A, B)_{K_{BS}}” by “(N_A, K_{AB})_{K_{AS}}, (N_B, K_{AB})_{K_{BS}}”.
7. p 612. Caption of Algorithm 16.8: replace “Authentication” by “authentication” and “Login” by “login”.
8. p 613, second para, line 2: replace “K’_U” by “k’_U”.
9. p 616, line -7: replace “message m,” by “message m”.
10. p 625, the first line after Algorithm 16.16: replace “are messages” by “messages are”.
11. p 626, Section 16.7, line 2: insert “the” before “other”.
13. p 628, line 9: replace “[3,9,12]–[14,19,27,38,40,42,43]” by “[3,9,12–14,19,27,38,40,42,43]”.

Errata for Chapter 17

1. p 631, line 8: replace “instantaneousy” by “instantaneously”.
2. p 632, Section 17.2, line 1: insert “a” before “set of computers”.

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3. p 632, Section 17.2, line 2: insert “a” before “network”.
4. p 633, line 6: replace “computer” by “computers”.
5. p 635, line 14: delete “that” before “relevant”.
6. p 635, Transient failure, line 3: replace “chennels” by “channels”.
7. p 635, Section 17.3.1, line 5: insert “a” before “randomized”.
8. p 636, line 7: replace “\( \lim_{k \to \infty} f(k) = 0 \)” by “\( f(\lim_{k \to \infty} k) = 0 \)”.
9. p 638, line 11: replace “\( r \in K \)” by “\( r \in \mathbb{K} \)”.
10. p 644, second para, line -3: replace “only is” by “only if”.
11. p 647, line 5: replace “−d” by “\( d \)”.
12. p 647, Section 17.5.1, line 3: replace “component” by “components”.
14. p 648, the last line: replace “The algorithms” by “The algorithm”.
15. p 651, line -5: replace “the the” by “the”.
16. p 653, Algorithm 17.2, line 2: replace “Number” by “number”.
17. p 653, Algorithm 17.2, line 5: replace “the” by “\( \odot \)”.
18. p 653, Algorithm 17.2: replace three occurrences of “<” by “\( \langle \)” and replace three occurrences of “>” by “\( \rangle \)”.
19. p 653, line -5: replace “<” by “\( \langle \)” and “>” by “\( \rangle \)”.
21. p 655, line -10: replace “store” by “stored”.
22. p 656, line -2: delete “called”.
23. p 657, Section 17.9: insert the following at the end of the first para:
   “A 1-maximal independent set is a maximal independent set provided one cannot
   increase the cardinality of the independent set by removing one node and adding
   more nodes.”.
24. p 661, line -1: replace “Leader” by “leader”.
25. p 662, line 5: replace “\( m \in A \)” by “\( m \in A \)”.
26. p 662, first bullet, line 1: replace “termination it’s” by “termination, it is”.
27. p 662, line -2 before Section 17.11.1: replace “sequesntial” by “sequential”.
28. p 663, line -4 before Section 17.11.2: insert “is” before “not”.
29. p 664, line 3: replace “predicate.” by “predicate”.
30. p 666, line 1: replace “\( \odot \)” by “\( \odot \)”.
31. p 666, line -4: replace “\( \odot \)” by “\( \odot \)”.
32. p 667, first bullet, line 1: replace “termination it’s” by “termination, it is”.
33. p 667, line -2 before Section 17.11.1: replace “sequesntial” by “sequential”.
34. p 668, line -4 before Section 17.11.2: insert “is” before “not”.
35. p 669, line 3: replace “predicate.” by “predicate”.
30. p 664, footnote: replace “legitimate” by “legitimate.”.

31. p 671, Section 17.17, line -6: replace “Antonioiy” by “Antonioiit”.

32. p 671, Reference [1], line 1: replace “Gouda” by “Gouda,.”.


34. p 673, Reference [32], line 1: replace “J.-M., Couvreur and M.G. Gouda” by “J.-M., Couvreur, N. Francez, and M.G. Gouda”.


36. p 674 Reference [45], line 2: replace “SRDS 2002” by “Proc. of the”.

37. p 675 Reference [67], line 2: replace “Seminar” by “Seminar”.


Errata for Chapter 18

1. p 682, 2nd line: correct spelling of “acutal” is “actual”

2. p 692, line (4b): replace “[j, i)“ by “(predecessor, j)”

3. p 708: REPLACE “prisioners” BY “prisoners”