1. Processing units/ˈprɒsɛsɪŋ ˈjuːnɪts/ - Components within a computer chip that can execute computations in parallel. - Блоки обработки

2. Computation/kɒmpjʊˈteɪʃ(ə)n/ - The process of performing mathematical operations using a computer. - Вычисление

3. Multicore/ˈmʌltɪkɔː(r)/ - Refers to a computer chip that contains multiple processing cores on a single chip. - Многопроцессорный

4. Execution times/ɛksɪˈkjuːʃ(ə)n taɪmz/ - The time it takes for a computer to complete a given task or computation. - Время выполнения

5. Energy efficiency/ˈɛnədʒi ɪˈfɪʃ(ə)nsi/ - A measure of how effectively a computer system uses energy to perform a given task. - Энергоэффективность

6. Best-paper award/bɛst ˈpeɪpər əˈwɔːd/ - An award given to the authors of a research paper judged to be the best in a given field or conference. - Награда лучшей статьи

7. Memory banks/ˈmɛməri bæŋks/ - Areas of a computer chip where data is stored for later retrieval. - Банки памяти

8. Computational speed/kəmˌpjuːˈteɪʃ(ə)nəl spiːd/ - The rate at which a computer system can perform computations. - Вычислительная скорость

9. Place-and-route problem/pleɪs ənd raʊt ˈprɒbləm/ - A problem in chip design where logic circuits must be arranged on a chip to minimize the distances between them. - Проблема размещения и маршрутизации

10. Algorithm/ˈælɡərɪð(ə)m/ - A set of instructions for solving a specific problem or performing a task. - Алгоритм.

11. Reallocation/riːəˌlɒˈkeɪʃ(ə)n/ - The process of reallocating resources or data to improve a system's performance. - Перераспределение

12. Memory/ˈmɛməri/ - The part of a computer system where data is stored for later retrieval or processing. - Память

13. Threads/θrɛd/ - A series of instructions executed by a computer system to perform a single task. - Нити выполнения

14. Cache/kæʃ/ - A high-speed memory bank used to store frequently used data for fast access. - Кэш

15. Sampling/ˈsɑːmplɪŋ/ - The process of measuring or collecting data from a system or environment. - Измерение

16. Requests/rɪˈkwɛsts/ - The act of sending, or asking for, something. - Запрос

17. Abbreviated/əˈbriːvɪeɪtɪd/ - Presented in a shortened or condensed form. - Укороченный

18. Performance improvements/pəˈfɔːməns ɪmˈpruːvmənts/ - Increases in a system's efficiency, speed, or other factors that contribute to overall performance. - Улучшение производительности

19. Energy consumption/ˈɛnədʒi kənˈsʌmpʃ(ə)n/ - The amount of energy used by a system or device to perform a task. - Энергопотребление

20. Communication/kəmjʊnɪˈkeɪʃ(ə)n/ - The exchange of information or data between different components or systems. - Связь, обмен информацией.