All tutorial/lab recordings require authentication with your NUS Zoom account and are additionally locked with the password **CS3210!!**

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| **Recording** | **Link** |
| [Week 3] Lab 1 | Processes, Threads and Synchronisation  <https://nus-sg.zoom.us/rec/share/58L1Mw4kzDnlLxaJzvzugAZyVljKSH_4VUrBQBekXzSoXI56e8ZZJz3PKJjLjiJx.IPwo1RWmPqIECnH6?startTime=1598335553000> |
| [Week 4] Tut 1 | Parallel Computer Architecture  <https://nus-sg.zoom.us/rec/share/ztF2tj8OjLYI0fp4oonV2fkMpEItaN1GaKC2tFp7Q9kTVLqRwACtE2cClNtg4pZ2.vNOB9eogpwjS73zw?startTime=1598861281000> |
| [Week 5] Lab 2 | OpenMP Programming and Performance Instrumentation  <https://nus-sg.zoom.us/rec/share/EurWMqz8RJNpu6_wjUabt_MuWAXgVlc9EsaeY_IQXUrQFgA_jkCkp0Xpwh64IP7X.rL3jGZCRX-NxFaWB?startTime=1599545157000> |
| [Week 6] Tut 2 | Performance of Parallel Systems  <https://nus-sg.zoom.us/rec/share/PipGPjkyh1q_sgsRoIoi7e7wENmj1Q_htoOle0SCLTOUa-suvZgr7XH76LWMbnxs.UA_hz51tylo0azLD?startTime=1600149940000> |
| [Week 7] Lab 3 | GPGPU Programming with CUDA  <https://nus-sg.zoom.us/rec/share/VJG7iU4UWMsMq8V6JIbQnWNQVLbk8GTMlnIBn0CkGfau1UfAZae9mQn18nrczuQW.IGAshA2Pbv6Z-oiT> |
| [Week 8] Tut 3 | Memory Consistency and CUDA Programming  <https://nus-sg.zoom.us/rec/share/a9ewQEm7bylbYFp8j3pHZRAJ_ZtK8DDdkiSC_hk6R4e4YFSpPbrqBiWuKcgSNik.RmYoYwuOF5LDl1MU?startTime=1601964234000> |
| [Week 9] Tut M | Mid-term discussion  [No recording, see mid-term solution manual for final suggested solutions] |
| [Week 10] Lab 4 | Introduction to Distributed-Memory Programming with MPI  <https://nus-sg.zoom.us/rec/share/e0yr__XPFXH3I31zE6vtoVeL95zImtSs2_MOYQDfijCQcGHJu3IUn-XJUcvWbuMA.3K9NXPAtPDjOOfdA?startTime=1603173876000> |
| [Week 11] Lab 5 | Collective Communication in MPI  <https://nus-sg.zoom.us/rec/share/vf9bIfwcHKeO4VIDu1ziFFgtgoUQrkg3FlfBa7ZutJCSfgZsOJj22LGT8QdJn83k.OCVzQ2gLidWk-7ns?startTime=1603778680000> |
| [Week 12] Tut 4 | Message-Passing Programming and Interconnection Networks  <https://nus-sg.zoom.us/rec/share/A0o46P4V8CLSiWzeEl5led8Axdv9gkclmZ6Onhoe-yC5TbNIVfE3rly0-C3GS6dy.ZrjmIpZ3DcwtQv_y?startTime=1604304361000> |
| [Week 13] | Performance Comparison of OpenMP and MPI  <https://nus-sg.zoom.us/rec/share/aKJQkfIXMz6JSymycHCSzawLS-DNoyNA8PX02W-QYMNGchjuzVEyhWknQragZ6hH._XWAUkvn5ghmprnJ?startTime=1604988286000> |