



Technical Session on Ansys RedHawk EDA Tool

We would like to inform you that ChipIN Centre has requested Ansys Team to give an online technical training session on RedHawk-SC EDA Tool for all C2S participating institutions.

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| Day-1 | 08/April/2024
& 2:30pm to
5:00pm | Introduction to Big Data and SeaScape Platform,
setting up RedHawk-SC and performing basic EM/IR
Analysis and various methods for checking IR Power
drops. |
| Day-2 | 15/April/2024
& 2:30pm to
5:00pm | Hands-on lab session on RedHawk-SC |

MEETING DETAILS

Join from a video conferencing system or application

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|-----------------------|---|
| Dial | : chipin@cdacb.webex.com |
| Meeting link | : https://cdacb.webex.com/meet/chipin |
| Meeting number | : 2511 322 7261 |

Ansys tools used in this session are available free of cost for a period of five years for College of Engineering Guindy Campus, Anna University. For installation of the tools, Chief Investigator and Co- Chief Investigators of C2S project, Centre for Wireless System Design can be reached for assistance.

Please find below the mail ids for assistance

- j_dhurgadevi@annauniv.edu
- jkamalaa@annauniv.edu
- tlk@annauniv.edu



Technical Session on Ansys RedHawk EDA Tool (08th and 15th April, 2024)

Time	Topics	Prerequisites	Ansys Tools used
Day-1 (08-April-2024)			
2:30 PM to 4:30 PM	<ul style="list-style-type: none"> • Big Data and SeaScape Platform • Setting up RedHawk-SC and performing basic EM/IR Analysis • Introduction to SeaScape APIs and MapReduce Key features: <ul style="list-style-type: none"> • Checking IR drops on power grids • Calculating power, Methods to solve static and dynamic IR drop issues 	Tool Installation is must	RedHawk-SC
4:30 PM to 5:00 PM	Q&A Session	--	--
Day-2 (15-April-2024)			
2:30 PM to 4:30 PM	The hands-on lab covers the following topics: <ul style="list-style-type: none"> • Invoking and running RedHawk-SC • Reading and checking input data • Checking the construction and robustness of power grid • Power Calculation • Static IR drop • Transient/Dynamic IR drop • Electromigration reliability 	Tool Installation is must	RedHawk-SC
4:30 PM to 5:00 PM	Q&A Session	--	--