

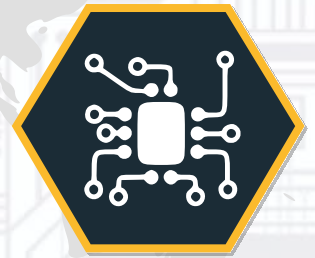
IPC SKILL CHALLENGE REPORT 2023



**Wire Harness
Competition**



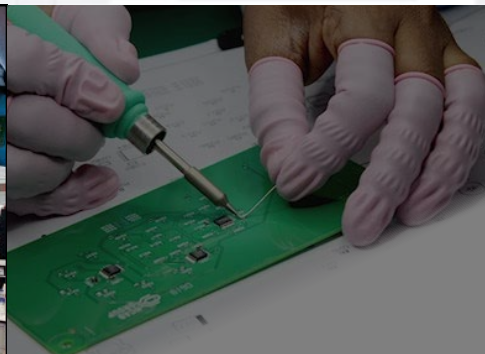
**Hand Soldering
Competition**



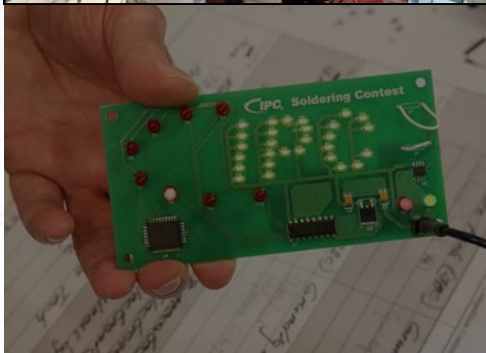
**PCB Design
Competition**



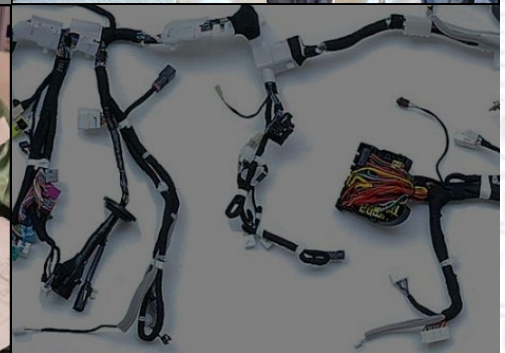
Malaysia



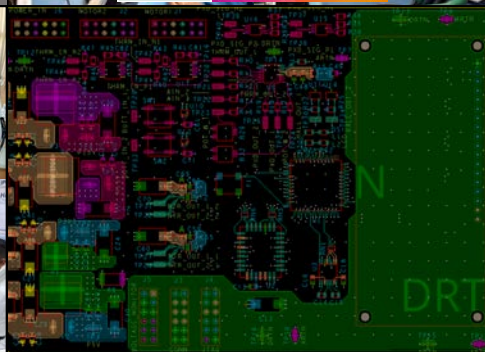
UAE



India



Sri Lanka



South Africa

INDIA SKILL CHALLENGE 2023



Supported by



100+

Electronics Manufacturing Companies Participated

1500+

Employees Participated

The initiative supports the drive for the "Skilling India" mission of the Government of India and promotes specialized skill development in the electronics manufacturing industry.

PRELIMINARY ROUND

IPC has brought their skill challenge competition on #HandSoldering #WireHarness #PCBdesign back this year in 2023 to Member premises to allow maximum participation from employees. A total of 100+ companies and 1500+ employees participated in the first round of the competition, which was played at various company locations in India between November 2022 to March 2023. As part of the semi-final round, three best performers were chosen by the company. Observations were conducted virtually or in person according to the guidelines of the expert committee. Wire harness and hand soldering schematics were prepared in accordance with IPC standards. The PCB Design competition was organized offline by providing guidelines, schematics, BOMs, and mechanical specifications.

and many more...

SEMI FINAL ROUND



Vizag	Rudrapur	Thiruvananthapuram	Chennai	Kolkata	Bengaluru
Mysuru	Nagpur	New Delhi	Pune	Hyderabad	Vadodara

Overview of IPC Skill Challenge

In the past few years, IPC has conducted **Hand soldering**, **Wire harness**, and **PCB design** competitions at regional, national, and global levels, which have become increasingly popular.

As part of IPC India's efforts to make these competitions more accessible to Indian Participants, the number of participants has increased over the past few years.

It has attracted participation from Indian companies that manufacture electronic products for various markets.

Candidates chosen from preliminary rounds played semi-final rounds at different locations globally during April to July 2023, including South Africa, Sri Lanka, UAE, and Malaysia. The IPC India was successfully able to organize such events in different cities across India with the support of the electronics industry associations (MCCIA, TELMA, ELCIA, FICCI, SICCI, ELCINA, Neuro-Tech Dubai and EMAX Malaysia). Workshops and networking events were organized during the sessions to raise awareness about skill development.

FINAL ROUND

On August 1 & 3, Competitors participated in the final round of the skill challenge competitions held at the Integrated Electronics Manufacturing & Interconnections (IEMI) events in Chennai and Pune (India). The final round for Hand Soldering was held in Chennai and for the Wire Harness was held in Pune with the winners and runners-up from each semi-final zone from India.

During the awards program, winners and runner ups were announced for Hand Soldering & Wire Harness.



Hand Soldering Competition

Winner (India)

Mr. Tejas Anil Sutar from **Philips Electronic India Limited** (Pune)

Runner Up (India)

Mr. S Sharan Yabesh from **Avalon Technology Limited** (Chennai)

As the winner of the Indian Regional Championship, the participant will qualify to compete in the World Hand Soldering Competition at Munich, Germany



Wire Harness Competition

Winner (India)

Mr. Siddaraju A V from **Cyient DLM Limited** (Mysore)

Runner Up (India)

Mr. Amit Sharma from **Vista Consoles Electronics Pvt. Ltd.** (Delhi)



PCB Design Competition

Winner (India)

Mr. Dinesh G from **Sienna Technologies** (Bengaluru)

Runner Up (India)

Mr. Ajeesh Francis from **Tessolve Semiconductor Pvt. Ltd.** (Bengaluru)

SOUTH AFRICA HAND SOLDERING COMPETITION

May 9

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IPC's India region broadened its international presence by hosting the season's 1st hand soldering competition outside India.

The event took place at Prebin Distribution CC, Johannesburg, South Africa, on May 9. This competition offered a unique platform for South African participants to demonstrate their hand soldering expertise and engage in competition at an international level. The winner of the event was from **Divigraph**, with the runner-up participants representing **MICROTRONIX LTD** and **Jemstech**



SRI LANKA HAND SOLDERING COMPETITION

May 25

Supported by



Tools sponsored by



IPC Hand Soldering Competition was organized in Colombo, Sri Lanka, on May 25.

This event highlighted the importance of adhering to industry standards for producing reliable electronics and provided participants with an in-depth understanding of industry best practices. The competition, held in Colombo, saw a winner from **Variosystems** and a runner-up from **GPV**



MALAYSIA HAND SOLDERING COMPETITION

July 12 & 13

Supported by



Tools sponsored by



The IPC Hand Soldering Competition took place on July 12-13, 2023 during the Electronics Manufacturing Expo Asia (EMAX) in Penang, Malaysia. Deputy Chief Minister of Penang visited the session and took interest.

The winner was from **BTE Training and Electronics**, while the runner-up candidates hailed from **Jabil Circuit Sdn Bhd** and **Avetronix Solutions**



UAE HAND SOLDERING COMPETITION

July 22

Supported by

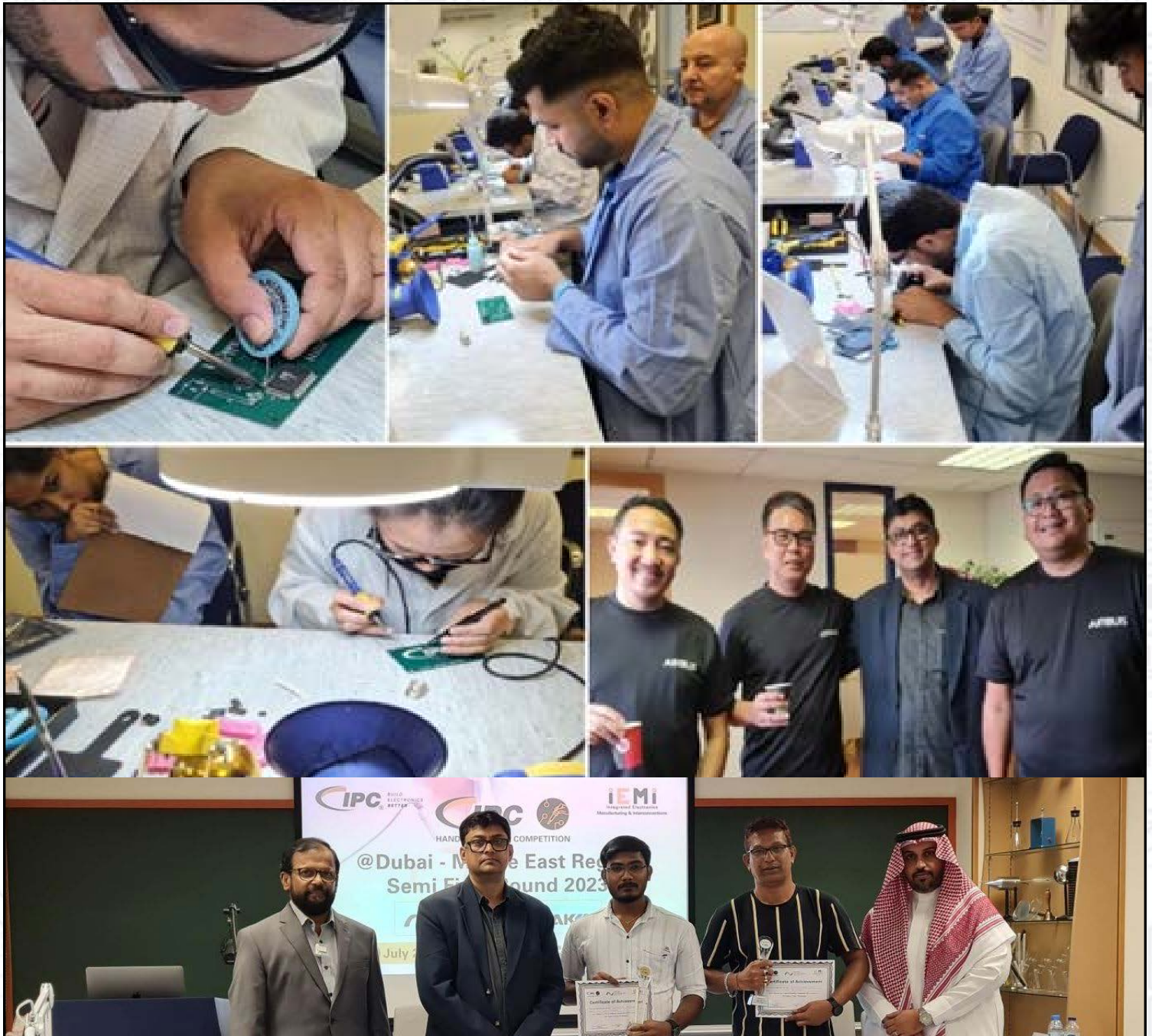


Tools sponsored by



IPC organized Hand Soldering competition with the support of Neuro Technology Middle East FZE Dubai, which saw a great deal of participation from the UAE electronics industry. The participants showcased their expertise and dexterity in soldering by assembling an electronic circuit with a miniaturized PCB board. The competition provided a platform for the electronics industry to highlight the importance of hand soldering. The winners were applauded for their skill and dedication.

There was a winner from **Industrial Control Care ICC FZCO** and runner-up candidates from **Airbus Middle East Africa and Axiom Telecom LLC**.



WORLD CHAMPIONSHIP HAND SOLDERING COMPETITION

(MUNICH, GERMANY)

November 16 - 17

The 2023 IPC World Hand Soldering Championship was a remarkable event, culminating with **Yao Tang** of China's **Shenyang Railway Signal** emerging as the champion. Yao Tang showcased extraordinary precision and skill, triumphing in a field of intense competition. **Keiko Hasebe** from Japan, representing **Advantest**, earned a well-deserved 2nd place with her impressive performance. Meanwhile, **Jingjing Xu**, also from China and affiliated with **Shanghai Railway Communication**, achieved an admirable 3rd place, rounding off the podium in this prestigious contest.

The event, which brought together 19 champions from 16 countries, served as a testament to the global talent and commitment within the soldering community. A heartfelt appreciation goes to all competitors and judges whose remarkable skill, unwavering dedication, and invaluable contributions elevated the championship to unprecedented heights. Their collective effort showcased the epitome of craftsmanship, making the 2023 Hand Soldering World Championship an unforgettable celebration of excellence.



IPC HAND SOLDERING COMPETITION 2024

APRIL 5



Chennai, Tamil Nadu

MAY 16 - 17



Pune, Maharashtra

MAY



New Delhi



JUNE 19 - 20



Sydney, Australia

JUNE



Bengaluru, Karnataka



JULY 24 - 25



Malaysia Hand Soldering Competition
&
World Wire Harness Competition

Penang, Malaysia

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