

## A Soldering and Rework Experience with Steve Fribbins

During the hands-on session conducted on 25 – 26 September 2015, participants learnt comprehensive techniques and instructions on solder using tin/lead or lead-free solders, plus rework on both days; the workshop covered basic solder of terminals and post, through-hole components and surface mount components. The solder equipment used within the class, to name a few - Hakko's models FM206, FR810 & FX888D. Passionate in his skill, trainer Steve highlighted the various points of standards and acceptance criteria; he also presented visually through videos and on-the-spot demos; thereafter self experimentation hands-on for participants, which allowed them to grasp the dos and don'ts of solder and rework. This program is a suitable starter program for those needing the experience in their work scope to continue into IPC certification programmes such as IPC-J-STD-001 and IPC 7711/7721.



"The training is indeed beneficial for those who are required to handle PCB during the course of work. It is good to know the best practices and identify potential PCB issues."  
 – Ray Chia, ST Electronics on Basic Solder and Rework Course

## CEO Breakfast Talk with SIMTech, A\*Star and the MPTC Annual Conference 2015

On 28<sup>th</sup> September 2015, eight companies mainly member organizations attended a brief morning of network in a CEO Breakfast Talk on "Strategies for Productivity Improvement to Achieve Operation Excellence" by A\*Star, SIMTech, organized by ELITC. The complimentary event was made successful with the enthusiasm and participation of the audience. The participants comprised of mainly decision managers of various departments within the manufacturing industry; companies such as UTAC Manufacturing, Seagate, Heraeus Materials, Illumina and more, were present to listen, share, discuss and gather invaluable insights on the topic with main speaker Dr. Roland Lim and co-speaker Mr. Toh Ming Hon. The WSQ Operations Management Innovation (OMNI) Programme introduced in the session has helped a myriad of companies achieve productivity changes positively by identifying hotspots for evaluation and correction, and create a work culture of on-going productivity. To commemorate the graduation of OMNI participating companies for the year - on 8<sup>th</sup> October 2015, they came together to receive plaques and exchange ideas in the Manufacturing Productivity Technology Centre (MPTC) Annual Conference 2015 held at SIMTech. Our Consultant, Mr. Chan Weng Ng presented a Parallel Track sharing how ELITC's experience in OMNI has positively impacted ELITC and how the collaboration with our research-based partner - SIMTech is mutually complementing.

To find out how WSQ OMNI Programme can benefit your company, please contact [emarketing@elitic.com](mailto:emarketing@elitic.com).



Group photo of OMNI graduating companies at the MPTC 2015



ELITC's General Manager, Ms Lim Lee Chin receiving a plaque from Minister of Manpower, Mr Lim Swee Say

# ELITC NEWS

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## ESD Awareness and Auditor Workshop

Conducted by Master IPC Trainer, Steve Fribbins

Come learn how ESD can cause a range of harmful effects of importance in industry and what measures can be used to prevent charging and static.

Date	Programmes	Fee	
		Member	Non-member
21 January 2016	ESD Awareness One day No practical.	\$235.40	\$267.50
21 & 22 January 2016	ESD Awareness and Auditor Two days. Theory, practical and testing	\$481.50	\$513.60

\*Fees include prevailing GST rate



IPC — Association Connecting Electronics Industries® offers globally recognized industry traceable certification programmes and training on key Electronics Industry Standards.

*Programmes	
IPC 7711/7721 (Hands-on)	Rework of Electronic Assemblies/ Repair and Modification of Printed Boards and Electronic Assemblies
IPC-A-600	Acceptability of Printed Boards
IPC-A-610	Acceptability of Electronic Assemblies
IPC/WHMA-A-620	Requirements and Acceptance for Cable and Wire Harness Assemblies
IPC-J-STD-001 (Hands-on)	Requirements for Soldered Electrical and Electronics Assemblies

\* 3 to 5 days, depending on CIT or CIS programmes. Recertification available. Kindly contact us to find out on upcoming schedules and details.



## Microsoft (MS) Office Software Programmes at ELITC



Dates	Programmes – No. of hrs	Fee after WSQ Funding	
		SM Es	Non-SM Es
Wednesdays 6 & 13 January 2016	Core MS Word 2013 – 17 hrs	\$36	\$72
Thursdays 21 & 28 January 2016	Core MS Excel 2013 – 17 hrs	\$36	\$72
Fridays 8 & 15 January 2016	Core MS Powerpoint 2013 – 17 hrs	\$36	\$72

\*Advanced programmes and Group Booking Available

To register for the programmes, please call ELITC at 6483 2535 or email [emarketing@elitic.com](mailto:emarketing@elitic.com). All course schedules are subject to changes at ELITC's sole discretion.

# Enhance Your Knowledge with WSQ Programmes at ELITC

## For Professional, Manager and Executive (PME) Level

- With Skills Future from 1 October 2015, working adults and Singapore Citizens aged 40 years old and above will receive subsidies up to 90%, capped at S\$50 per training hour (under the SkillsFuture Mid-career Enhanced Subsidy).
- Singapore Citizens aged 35 and above, and earning S\$1,900 or less/month, can receive 95% subsidies (under the Workfare Training Support Scheme).

CODE - MODULE	*DATES ON JANUARY 2016	COURSE FEE	FEE AFTER FUNDING (¹SCs and PRs)	
			²SMEs	NON-SMEs
MQSP - Manage Quality System and Processes	4 to 8	\$1,016.50	\$161.50	\$541.50
APMS - Apply Project Management Skills	11 to 14	\$963.00	\$153.00	\$513.00
MPI - Manage Process Improvement	18 to 20	\$770.40	\$122.40	\$410.40
AMLPS - Apply Management Level Planning Skills	21 & 22	\$513.60	\$81.60	\$273.60
MPMDTE - Manage Problems and Make Decisions in a Technical Environment	26 to 28	\$770.40	\$122.40	\$410.40
ABDPST - Apply Basic DMAIC Problem Solving Techniques	14 & 15	\$513.60	\$81.60	\$273.60
MFMEA - Manage Failure Mode and Effect Analysis	18 & 19	\$513.60	\$81.60	\$273.60
MSPDATE - Manage Statistical Processes and Data Analysis in a Technical Environment	21 & 22	\$513.60	\$81.60	\$273.60
A8DPASA - Apply "8 Disciplines" Problem Solving Approach	7 & 8	\$513.60	\$81.60	\$273.60

## Rank-and-File (RnF) Level

- With Skills Future from 1 October 2015, working adults and Singapore Citizens aged 40 years old and above will receive subsidies up to 90%, capped at S\$25 per training hour (under the SkillsFuture Mid-career Enhanced Subsidy).
- Singapore Citizens aged 35 and above, and earning S\$1,900 or less/month, can receive 95% subsidies (under the Workfare Training Support Scheme).

CODE - MODULE	*DATES ON JANUARY 2016	COURSE FEE	FEE AFTER FUNDING (¹SCs and PRs)	
			²SMEs	NON-SMEs
TW - Apply Teamwork in the Workplace	4 & 5	\$321.00	\$51.00	\$81.00
5S - Apply 5S Techniques	6 & 7	\$321.00	\$51.00	\$81.00
QS - Apply Quality Systems	11 & 12	\$321.00	\$51.00	\$81.00
WSH - Apply Workplace Safety and Health Policy	14 & 15	\$321.00	\$51.00	\$81.00
CPIT - Apply Continuous Process Improvement Techniques	4 & 5	\$321.00	\$51.00	\$81.00
PBPP - Perform Basic Productivity Practices	21 & 22	\$321.00	\$51.00	\$81.00

AIW - Apply Innovation in the Workplace	13 & 14	\$321.00	\$51.00	\$81.00
UBHT - Use Basic Hand Tools & Equipment	18 & 19	\$267.50	\$42.50	\$67.50
OEMD - Operate Electrical Measurement Devices	20 & 21	\$267.50	\$42.50	\$67.50
AMT - Apply Autonomous Maintenance Techniques	13 to 15	\$374.50	\$59.50	\$94.50
PAMAD - Perform Adjustment and Measurement on Automation Devices	21 & 22	\$321.00	\$51.00	\$81.00
UHT - Use Hand Tools	13 & 14	\$267.50	\$42.50	\$67.50
OBMD - Operate Basic Measuring Devices	21 & 22	\$267.50	\$42.50	\$67.50
PSTCHO - Perform Stock Control and Housekeeping Operations	25 & 26	\$321.00	\$51.00	\$81.00
PWO - Perform Warehouse Operations	27 & 28	\$321.00	\$51.00	\$81.00
STW - Supervise Teams at Work	4 to 6	\$577.80	\$91.80	\$145.80
SWIP - Supervise Work Improvement Processes	7 & 8	\$385.20	\$61.20	\$97.20
SQP - Supervise Quality Procedures	11 & 12	\$385.20	\$61.20	\$97.20
SWSH - Supervise Workplace Safety and Health Practices	25 to 27	\$577.80	\$91.80	\$145.80
IGDP - Implement Good Documentation Practices	29	\$181.90	\$28.90	\$45.90
ABEM - Apply Basic Engineering Mathematics at Work	13 to 15	\$481.50	\$76.50	\$121.50
PBPIED - Perform BASIC Programming Interface on Electronic Devices	18 to 21	\$642.00	\$102.00	\$162.00
PCAPD - Perform Computer Aided PCB Designing	25 to 28	\$642.00	\$102.00	\$162.00
AECDs - Apply Electronic Circuits Diagnostic Skills	20 to 22	\$513.60	\$81.60	\$129.60
PLC - Perform PLC Programming	10, 16, 17, 23 & 24	\$909.50	\$144.50	\$229.50
ACCDS - Apply Control Circuits Diagnostic Skills	20 to 22	\$588.50	\$93.50	\$148.50
FGMP - Follow Good Manufacturing Practices	8	\$181.90	\$28.90	\$45.90
FGCP - Follow Good Cleanroom Practices	29	\$203.30	\$20.35	\$20.35
ABPAS - Apply Biomedical Products' Assembly Skills	25 to 28	\$417.30	\$41.75	\$41.75

¹Singapore Citizens (SCs), Permanent Residents (PRs)

²Small and Medium Enterprises (SMEs): Minimum 30% local shareholding; AND Company's Group annual sales turnover not more than S\$100 million OR Company's Group employment size not more than 200 workers

\*For more course dates, do contact us or visit our website at [www.elitc.com](http://www.elitc.com)

**Fees stated are non-member rate. For member rate, kindly call ELITC to enquire.**  
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