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to secure  
your spot!  
Seats are limited.

# Geometric Dimensioning & Tolerancing (GD&T) Workshop by ZEISS

8 - 10 August 2018, Wednesday - Friday  
9:00 AM - 5:00 PM

**Malaysia-Japan International Institute of Technology**  
Universiti Teknologi, Jalan Sultan Yahya Petra  
Kampung Datuk Keramat  
54100 Kuala Lumpur  
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# Geometric Dimensioning & Tolerancing (GD&T) Workshop by ZEISS

## Overview and Agenda

### About

Geometric Dimensioning & Tolerancing (GD&T) is a crucial skill of specifying engineering design and drawing requirements with respect to actual functions and relationships of part features. In our fast-paced industries and with the increasing demand for more specifically and economically stated engineering design requirements, today's manufacturing professionals must thoroughly understand this universal engineering language to stay valuable.

### Benefits of Attending the GD&T Training

- Learn proficiency in reading engineering drawings
- Understand the latest in metrology techniques
- Gain basic knowledge of GD&T Symbols meanings and applications
- Successfully convey design intent, improve quality and reduce costs in design-to-manufacturing process
- Apply the latest in tolerance management tools

### Who Should Attend

Individuals who are looking to improve or start their GD&T knowledge, as well as those who wish to refresh their knowledge alike. Draftspersons, tool designers, technical inspectors, mechanical engineering technicians, and machine shop and tool-room supervisors. If you are a manufacturing and project engineer, quality control team member, engineering manager or supervisor, you will also find this seminar beneficial.

### Cost

- **Individual** – MYR 1,200.00/pax
- **Group of 3 and above** – MYR 1,000.00/pax

Cost includes lunch and tea breaks across all days. A certificate is given to each participant after completion of the training. As seats are limited to, we encourage you to register as soon as possible. See you soon!

### Agenda

#### GD&T Principles (Days 1 - 3)

- |              |  |
|--------------|--|
| <b>Day 1</b> | <ul style="list-style-type: none"><li>■ <b>Introduction + Assessment</b></li><li>■ <b>Basics of Technical Drawings (Overview)</b></li><li>■ <b>Size Tolerancing</b></li><li>■ <b>Basics</b><ul style="list-style-type: none"><li>- ASME Specialities (Rule #1)</li><li>- ISO Specialities (Envelope (E) Vs. Independency, Modifiers)</li><li>- ASME/ISO Difference in Drawings</li></ul></li><li>■ <b>Form Tolerancing: Roundness, Cylindricity, Straightness, Flatness</b></li></ul>  |
| <b>Day 2</b> | <ul style="list-style-type: none"><li>■ <b>Orientation Tolerances: Parallelism, Perpendicularity, Angularity</b></li><li>■ <b>Reference Systems</b><ul style="list-style-type: none"><li>- Single Datum</li><li>- Datum Systems, DFR</li></ul></li></ul>   |
| <b>Day 3</b> | <ul style="list-style-type: none"><li>■ <b>Location</b><ul style="list-style-type: none"><li>- True Position in 2D</li><li>- Datum Shift vs Bonus Tolerance</li><li>- Composite Tolerance</li><li>- Symmetry and Concentricity / Coaxiality</li><li>- ASME/ISO Differences</li></ul></li><li>■ <b>Run out</b><ul style="list-style-type: none"><li>- Circular Runout</li><li>- Total Runout</li></ul></li><li>■ <b>Profile</b><ul style="list-style-type: none"><li>- Profile of Line</li><li>- Profile of Surface</li></ul></li></ul> |

**Register here today!**

#### For more information, please contact:

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