

Introduction to Link Budget Analysis

This will be an intensive 3 days of classroom tutorials on link budget preparation using the *Satmaster +* software

At the end of the course each participant not only learn how to use, but will take home with them a fully licensed copy of the *Satmaster+* software worth **USD 320.00** at no additional cost.

Here is a link to what you will learn from the *Satmaster +* software and what it is capable of.

<http://www.arrowe.com/linkbudget.html>

Course Outline

1. **Review of Principles of Satellite Communications:**
 - GEO-synchronous Satellites
 - Satellite Frequency Band, Transponder
 - Satellite Footprints (EIRP, G/T and SFD)
 - Multiplexing, Modulation and Multiple Access
 - Interferences, Scintillation, Rain Fade, Sun Outage, Path Loss
 - Earth Station Equipment Performance characteristics

2. **Introduction to Link Budget:**
 - What is a link budget?
 - Link Budget Parameters - Transmitter, Satellite, Modem and Receiver
 - Satellite Operator Published Information Parameters
 - User Information parameters
 - Introduction to Link Budget Software Features:
 - Calculators
 - Tables,
 - Graphs,
 - Maps and
 - Optimization tools.
 - Use of Link budget calculator to determine:
 - Satellite look angles
 - EIRP versus earth station sizing,
 - Sun outage prediction,
 - Rain attenuation, etc.
 - Sample digital Link Budgets

3. **Tutorial on use of Link Budget Software**
 - IDR and SCPC Networks
 - TV
 - DVB Broadcast Links
 - VSAT Networks

4. **Practical hands-on Sessions**
 - Digital One-way Link
 - Digital Two-way Link
 - Digital Broadcast via satellite

And of course, you can also have your say on what other topics that you want us to cover and we will try our best to accommodate.

Trainer: **Saviour Nathan**

Course Fees: **SGD 2,400.00 (before 7% GST)**

Course date: **T.B.A.**

You can register with us now.

Email: siewmun@editecintl.com

REGISTRATION FORM

Please fax this form to (65) 62828 039 to book your place

Yes! Please register the following participant(s) for this course.

Introduction to Link Budget Analysis

Course fees: **S\$ 2,400.00** (before 7% GST) Duration: **3 days**

Course dates: ____/____/____ to ____/____/____

1) Name (Dr/Mr/Mrs/Ms).....
Title:
Email:

2) Name (Dr/Mr/Mrs/Ms).....
Title:
Email:

Company:

Address:

Email:

Tel: Fax:

Nature of Business:

Important notice:

Payment must be received **7 days prior to the course** to guarantee your place.

Method of payment:

Please arrange a crossed cheque or bank draft made payable to EDITEC INTERNATIONAL PTE LTD.
And mail your payment together with a copy of this registration to:

61 Tai Seng Avenue,
#05-01 UE Print Media Hub,
Singapore 534167

Enclosed is our cheque /draft for S\$

Overseas delegates may pay by **telegraphic transfer** into the account of Editec International Pte Ltd to the following account:

Account No.932-343-086-8
United Overseas Bank
Block 803 King George's Avenue
#01-242/244
Singapore 200803

Please quote "name of course" and your company name in your payment instructions.

Cancellation and transfers:

If you are unable to attend, a substitute delegate is welcome at no extra charges. Please provide the name and title of the substitute delegate at least 3 days prior to the seminar.

A full refund less 10% admin charge will be given for cancellation received in writing 14 days before commencement of the course.