

## Registration and Further Information

**PERSONAL DETAILS**

Please print clearly or attach business card:

1) **Name** \_\_\_\_\_  
 Position: \_\_\_\_\_  
 Email: \_\_\_\_\_

2) **Name** \_\_\_\_\_  
 Position: \_\_\_\_\_  
 Email: \_\_\_\_\_

3) **Name** \_\_\_\_\_  
 Position: \_\_\_\_\_  
 Email: \_\_\_\_\_

Company: \_\_\_\_\_  
 Department: \_\_\_\_\_  
 Address \_\_\_\_\_  
 Postcode: \_\_\_\_\_ Country: \_\_\_\_\_  
 Tel: \_\_\_\_\_ Fax : \_\_\_\_\_

Nature of Business \_\_\_\_\_

Company Size:  1-9     10-24     25-49     50-99  
 100-249     250-499     500-999     1000+

**SPONSOR**

We wish to register this delegate for the course indicated above. We undertake to pay for the period of the program (please print clearly)

Name: \_\_\_\_\_  
 Position: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**TRAINING COURSE**

**Fundamentals of Options Trading Workshop**

**August 19 – 21, 2017**

In order to guarantee a place on the course delegates are kindly requested to register at least 4 weeks in advance

**METHOD OF PAYMENT**

1. Please find enclosed a cheque for US\$ \_\_\_\_\_ made payable to **Advance Studies and Training Centre**

2. Transfer : Commercial Bank of Dubai  
**Branch:** Mankhool Street | **Account Number** 1000125334  
**Routing Number:** 502320103 | **Swift Code:** CBD – UAE. AD

3. Please invoice my institution.  
 An invoice will be sent to the mentioned institution on receipt of registration form. Please fill out the sponsor's details below.

**CREDIT CARD:**  
 Please Charge my : (Card Type)  
 Master Card     Visa Card    Others \_\_\_\_\_

Card Holder Name \_\_\_\_\_  
 Card Number \_\_\_\_\_  
 Expiry Date \_\_\_\_\_ Security Code No. \_\_\_\_\_  
 Amount to be Charge \_\_\_\_\_  
 Tel. \_\_\_\_\_ Mob. \_\_\_\_\_

Card Holder Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**SAVE MONEY! DISCOUNTS AND PROMOTIONS!**

Register one month in advance and received up 10% discount.  
 Group of 3 more delegates from the same organization receive a 10% discount

**OR**

FREE Attendance for 5<sup>th</sup> delegate's from the same organization

**TRAINING REGISTRATION DETAILS**

**TERM & CONDITIONS:**

- Fees include all the tuition, full course documentation, lunches and refreshments for the duration of the program.
- Incidental expenses: ASTC is NOT responsible for covering airfare or other travel costs incurred by delegates. Delegates will be responsible for their own accommodations.
- PLEASE NOTE that ASTC reserves the right to refuse admission to the training if proof of payment has not been received prior to the start of the program.
- An invoice will be sent upon receipt of the registration form. Payment must be received in full 2 weeks prior to the course start
- CANCELLATION POLICY**
  - A full refund less on administration fee of US\$ 100 will be given for cancellation requests received up to 45 working days prior the event. Cancellation must be made in writing (letter or fax) and reach this office before the 45 days deadline.
  - Delegates who cancel than 45 working days before the event, or who don't attend are liable to pay the full course fee and no refunds can be given. However, if you wish to attend the next course, and you have paid your course fee in full, you will only be invoiced for 25% of that course fee. Please note that the next course must take place within the next 6 months of the initial application. Of course, a replacement is always welcome.

I understand and accept the booking Term & Conditions

Signature \_\_\_\_\_ Date \_\_\_\_\_

**REGISTRATION COURSE FEES**

**Fundamentals of Options Trading Workshop**

- US\$ 2,750 per delegate

I would like information on holding this program in house

**We can bring this course in house directly to your workplace!**  
**Customized Training Programs**  
 The in-house training of Advanced Studies and Training Center  
 Tel: +971 4 221 1141; Email: info@astcdubai.com

**DISCLAIMER**  
 ASTC reserves the right to change or cancel any part of its published programs or teaching facility due to unforeseen circumstances

**HOTEL BOOKING**  
 If you required assistance with booking accommodation for one of our courses, please contact our staff on the following numbers:  
 Tel: +971 – 4 – 2211141, Fax: +971 – 4 – 2211848  
 Or email us on: info@astcdubai.com

# FUNDAMENTALS OF OPTIONS TRADING WORKSHOP

DATE : AUGUST 19 – 21, 2017

VENUE : DUBAI, U. A. E

TRAINING DIRECTOR : DR. MAHENDRA M.

## ADVANCED STUDIES & TRAINING CENTRE

**A 3 - DAY FUNDAMENTALS OF OPTIONS TRADING WORKSHOP**

The purpose of this workshop is to provide the delegates with a sound grasp of the nature of options and to highlight the benefits and risks of trading options. The workshop goes beyond the basics of options theory and come to grips with the application of options as trading tools and hedging instruments.

This program is aimed at those individuals involved in financial markets who wish to use options for trading direction or who wish to exploit current market volatility. The workshop also offers a sound explanation of how options can be used by corporations to hedge price risk in the commodity or currency markets.

The workshop will also be very useful for those individuals who are involved in the risk management function within their organization and who wish to understand the risks inherent in using options.

The workshop will utilise practical exercises to cement the concepts.



- DISCOUNTS !**
- Register one month in advance and received up **10%** Discount.
  - Group of 3 or more Delegates from the same organization receive a **10 %** Discount.
- OR**
- **FREE** attendance for 5<sup>th</sup> delegate from the same organization

**COURSE OUTLINE**

**MEET YOUR TRAINING DIRECTOR:**



**DR. MAHENDRA MEHTA** is Currently Managing Director of Neural Technologies and Software private limited. (NeuralTechSoft) and Neural Risk Consulting Private Limited based in Mumbai (India) Since Feb 2002, Dr. Mahendra Mehta has been involved in consultancy and teaching on various financial topics focusing primarily on financial risk management, which includes market, credit and operational risk measurement, modeling, Risk mathematics, derivative pricing and valuation mathematics and analytics its management and modeling, Enterprise Risk Management, development and implementation of policies, processes and procedures in the businesses. The company specializes in providing consulting, software design and development which involves analytics and mathematics.

He is also involved in executive education in these areas around the world on Risk management, Basel II and III, capital adequacy, ICAAP, stress testing etc. In last 20 years, he has given more than 100 seminars on various topics in many countries including in Abu-Dhabi, Bahrain, Czech Republic, England, Egypt, Hungary, India, Jordan, Malaysia, Poland, Spain, South Africa, Qatar, Saudi Arabia, Singapore, Switzerland, UAE, UK, USA, etc. The company has completed several assigned involving consultancy on end to end management and implementation of BASEL II accord on a turnkey basis.

He was Head of Analytics at Citibank, NA, Mumbai (India) involved in the development of machine based trading strategies in Foreign exchange, interest rate and European & American equity markets. He was involved in the development and implementation of Market risk Management practice within Citibank worldwide. He was involved in the development of autonomous trading machine to automatically trade in the financial markets

Before joining Citibank in 1988, he worked with Hindustan Aeronautics Limited (HAL), Hyderabad (India) for fifteen years. He was responsible for design & development of several Avionics systems, development of Light Combat Aircraft weapon systems etc. During his tenure at HAL, Mahendra worked in various countries, which includes Italy, UK, France & Sweden. He has several research papers to his credit mainly in estimation sciences & theory as applied to avionics and space sciences. He was heading a team of people involved in the development of on board computer for Prithvi Missile - medium range surface to surface missile.

Dr Mahendra received Doctoral degree in Electrical Engineering from Indian Institute of Technology Mumbai (India). Among other places, he has also taught at London Business School in 1991-92 and was a guest faculty at Swiss Federal Institute of Technology, Zurich, Switzerland. He currently teaches Financial Mathematics & Financial Engineering at S P Jain School of Management. He has written several research papers in Engineering science and Finance. He has contributed in the book entitled "Neural Networks in the Capital Markets" published by Wiley & sons in 1995.

Dr. Mehta has lectured in various countries on Kalman filtering and adaptive estimation science including in France, Holland and Sweden. His Ph. D thesis was on multi-target tracking in noisy environment using air borne radar. Dr Mahendra Mehta is a visiting faculty member at various institutions around the world.

**Would you like to request this course in house?**  
Customized Training Programs

The in-house training of Advanced Studies and Training Center  
Tel: +971 4 221 1141. Email: info@astcdubai.com

**WHO SHOULD ATTEND?**

This options training course will be very useful for all those who seek to acquire a good level of knowledge and skill in the operation of these derivative products, how they are used and why. In banks and financial institutions, new entrants to the business from university, corporate account officers needing to know sufficient detail to be able to communicate confidently with clients. Hedgers, traders, settlement, information technology and systems, legal, marketing, and credit personnel in the front, middle and back office. For companies other than financial institutions, this course will provide those in the treasury function with a thorough practical grounding in options as used in the corporate environment. From individual dealers to those at director level who need to know about these important products. It would help all participants of the options training course if they have a basic working knowledge of spreadsheets. A qualification in statistics is not necessary to attend this training course.

**UPCOMING FINANCIAL TRAININGS** (Please enquire for scheduled dates)

- ACI Dealing Simulation
- ACI Diploma
- Corporate Treasury Products Workshop
- Islamic Capital Market & Investment Funds
- Derivatives
- Asset and Liability Management
- Operational Risk
- The Treasury Risk Management

Please enquire about the trainings and development programs available in a variety of fields.

**DAY - I**

**REVISITING THE BASICS OF OPTIONS**

- Basic call and put option pay-off profiles
- The factors affecting option values
- Option pricing using the Black and Scholes model
- The difference between being long or short options
- Intrinsic value and time value of options
- Break-even analysis
- Overview of barrier options
  - Exercise - Pricing options using different volatilities and strike prices
  - Exercise - calculating the breakeven on calls and puts
  - Exercise - determining the intrinsic value of a down and out call option at expiry

**THE OPTION GREEKS**

- Delta - using delta hedging with long and short options
- Gamma - the effects of Gamma on short-dated and long-dated options
- Theta - the time decay of an option through time
- Rho - the impact of interest rate changes on an options value
- Vega - recognising the vital role that volatility plays in the value of an option with an overview of historical and implied volatility as well as understanding the volatility smile
  - Exercise - delta hedging a portfolio of options
  - Exercise - calculating the change in an option premium given a change in volatility

**DAY - II**

**PUT-CALL PARITY**

- Synthetic long and short positions using options
- Arbitrage using put-call parity and futures
  - Exercise - calculating call and put strikes using put-call parity
  - Exercise - calculating the premium of calls and puts using put-call parity

**OPTION DIRECTIONAL TRADING STRATEGIES**

- Calls and Puts - simple but effective in the right market conditions
- Bear and bull spreads - using puts and calls to construct a spread
- Risk reversals - zero premium structures with the risks clearly explained
- Covered call writing - a income generating strategy in a stagnant market
  - Exercise - calculating the break-even on a bull spread
  - Exercise - constructing a risk reversal using calls and puts

**DAY - III**

**OPTION VOLATILITY TRADING STRATEGIES**

- Straddle - when to write and when to buy straddles
- Strangle - how do they differ from straddles?
- Butterfly - the structure of short and long butterflies and their pay-off profile
  - Exercise - constructing a delta neutral long straddle and adjusting the delta over the life of the strategy given a series of spot price movements
  - Exercise - constructing a delta neutral short strangle and adjusting the delta over the life of the strategy given a series of spot price movements

**HEDGING STRATEGIES USING OPTIONS**

- Calls and puts as insurance against adverse price movement
- Zero-cost hedging strategies using a combination of puts and calls
  - Exercise - following a put option hedge on export proceeds during its life
  - Exercise - structuring a zero-cost collar to hedge future currency receipts as an alternative to forward cover

**5 EASY WAYS TO REGISTER & OBTAIN FURTHER INFORMATION**