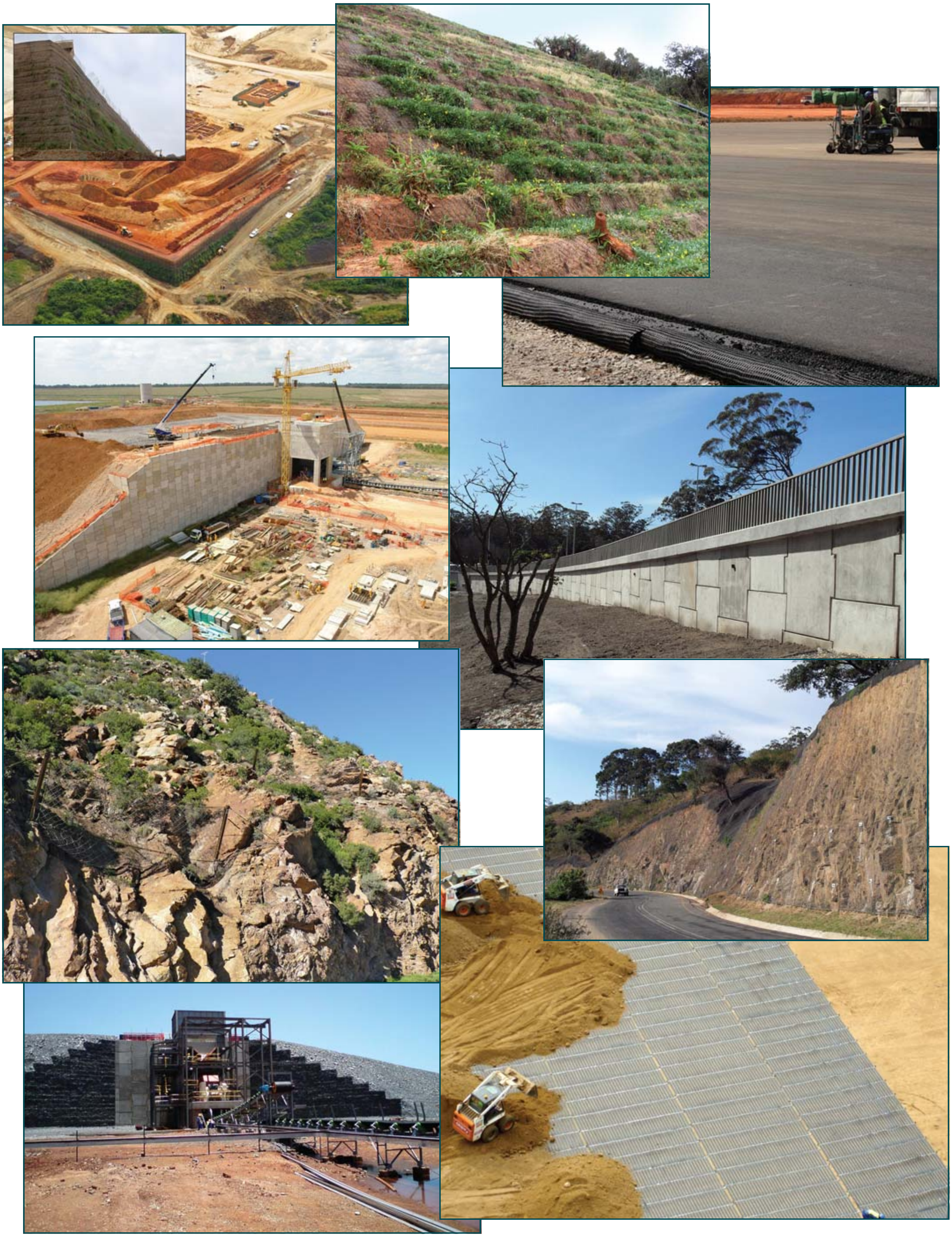
MACCAFERRI
SOUTHERN AFRICA

FOUR COMPLIMENTARY SAICE CPD LECTURES



REGISTRATION FORM

Surname: ______________________ Name: ______________________

Fax : ______________________ Tel: ______________________

Company : ______________________ Email: ______________________

Please tick the appropriate box for the venue and lectures you would like to attend

☐ **KZN**
Date: 11th- 14th October 2010
Venue: 15 Konigkramer Road, New Germany

☐ **WESTERN CAPE**
Date: 25th - 28th October 2010
Venue: 114 Cannon Island Way, Capricon Park, Muizenberg

☐ ***Introduction to Maccaferri Products***

☐ ***Introduction to Soil Reinforcement and SANS 207***

☐ ***Introduction to Rockfall Mitigation***

☐ ***Introduction to Soil Bioengineering***

A brief outline the lectures and their contents:

Introduction to Maccaferri Products: Number of Credits 0.2 (Two hours)

- Company and product accreditation
- Services offered and Maccaferri software
- Wire specification, galvanizing, galfan and PVC
- Gabions and mattresses
- Hydraulic and coastal applications
- Bio-engineering
- Repair and control of erosion
- Lateral support - temporary stabilization
- Rock fall mitigation
- Geosynthetics
- Reinforced soils and sans 207
- Terramesh and green terramesh
- Mechanically stabilized earth walls
- Reinforced soils and soft foundations

Introduction to Rockfall Mitigation: Number of Credits 0.2 (Two hours)

- The Problem and Types of Rockfall Hazards
- Active and Passive Solutions
- Products available for Rockfall Mitigation
- Testing and grading of products to International Standards
- Design Principles – Active
  - Design example of a nailing and mesh using Mac.Ro1.
  - Design example of a gabion clad revetment using Mac stars
- Design Principles – Passive
  - Discussion on establishing behaviour of falling rocks
  - Design example of an embankment using MacStars
  - Discussion on designing of catch fences and shelters
  - Design example of drape mesh system using Mac.Ro2 and Excel spreadsheet

Introduction to Reinforced soils and SANS 207: Number of Credits 0.2 (Two hours)

- Strengths of materials and comparison between reinforced concrete and reinforced soils
- Design theory of reinforced soil as a structural material
- Applications as per SANS 207
- Design theory of mechanically stabilized earth walls
- Design theory of reinforced slopes and soil nailing
- Types of reinforcing
- Applications
- Design theory of basal reinforcement over soft foundations
- Case study
- Design theory of basal reinforcement over piles and over voids

Introduction to Soil Bioengineering: Number of Credits 0.2 (Two hours)

- Definition of Soil BioEngineering
- Benefits of Soil BioEngineering
- Soil BioEngineering Products
- Installation Guide
- Monitoring
- Green Structures
- Erosion Control
- Workshop on the Maccaferri BioEngineering Manual