

3 Day Masterclass

In

VUMA-network

BBE Johannesburg

Dates:

22-24 June 2022

For other additional dates please contact us on
info@vuma3d.com

Get to grips with VUMA

The 3-day masterclass in VUMA teaches basic principles of modelling for a variety of mining projects. The wide-ranging course is designed to impart good ventilation modelling techniques and practices for new entrants and to refresh seasoned users into the ventilation planning and design using VUMA. Throughout the course, techniques will be presented in the context of practical mining industry applications, ensuring comprehensive and reliable outcomes

Good ventilation modelling practices and quality control should not be an afterthought, but both aspects should be integral part of ventilation modelling.

Drive ventilation planning and design in your company

This course is delivered in collaboration with the BBE Group. Learn from industry thought leaders as you identify the potential VUMA has in your business planning process

In just 3 days you will:

- Understand the fundamentals, including key ventilation terminology
- Understand the ventilation planning process as a component of mine design
- Develop skills to solve real-world ventilation modelling challenges
- Discover practical ways for ventilation planning and design from greenfield through to full-scale mining operations
- Recognise the risk and value of ventilation modelling and design in mining projects
- Case studies and practical exercises
- A comprehensive manual and tutorial videos

How will you learn?

Each course is broken down into manageable modules designed to accelerate your learning process. You'll be supported as you engage in individual activities and group discussions, ensuring you feel confident with VUMA.

Day 1

- Big picture introduction
- Speed networking
- Ventilation 101
- VUMA basics and construction
- Professional and efficient set-up for model construction using a case study 1

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Day 2

- Working with References
- Reporters and dashboards
- Goal seek
- Tracing air flows
- Case study 2

Day 3

- Auditing and review
- Case study - Extending an existing mine
- Case study - Calibrating an existing mine
- Design criteria
- Blast
- What ifs

Who will you learn from?

This masterclass is guided by VUMA Software team members who will share their experience and in-depth subject knowledge with you throughout the course



Miguel Coelho

Business Development Manager



Hendrik Botma

Chief Technology officer

Miguel Coelho is a BEng Hons Mining Engineer who has chosen to specialise in ventilation and the related disciplines. He has been employed as Ventilation Engineer at BBE Consulting since March 2016. He has 10 years of professional and practical experience in mine ventilation engineering on mine and corporate levels, gained during his employment at Anglo American, and currently, BBE Consulting. He has experience in all major commodities, employing various mining methods, including narrow tabular, bord and pillar, block caving and sub level open stoping. Miguel has authored and co-authored six papers on mine ventilation and cooling planning and design that have been presented at conferences. Miguel has a keen interest in ventilation/cooling control automation (VoD) and the interaction between software and control technology.



Software for mine ventilation,
cooling & environmental control

Hendrik Botma is the Chief Technology Officer (CTO) of VUMA Software. He has been developing VUMA for over 10 years, Hendrik was involved in the evolution of the software from a basic 2D program to a fully-fledged ground-breaking 3D simulation suite. He has contributed to many published whitepapers – and has address regional and international Mine Ventilation Conferences. Hendrik holds an honor's degree in computer science from the University of the North-West in South Africa.

Pricing

Johannesburg

R12 000 per candidate.

Tailored training options

Need to get the whole team up to speed? We can come to you. For various sized groups the trainers will design a bespoke programme to meet your business needs with examples and models to suit your business. Tailored training is the most cost effective and convenient option for teams, so get in touch today and let us customise your training experience.

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