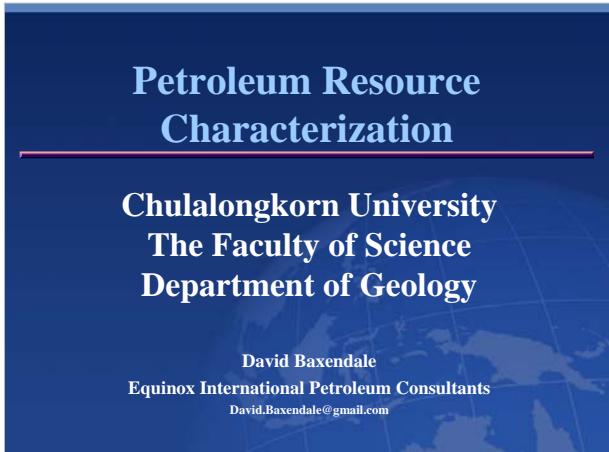


# INTRODUCTION



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Petroleum Resource Characterization

**Introduction**

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  - Reservoir Pressure & Temperature Module
    - Exercise - Plot MDT Data to find fluid contacts in a reservoir
  - Fluid Properties Module
    - Phase Behaviour
    - Gas Properties
    - Oil Properties
    - Exercise calculate basic oil and gas properties
    - Exercise calculate oil and gas properties via PVTKappa

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    - Drawdown Testing
    - Exercise - Oil Buildup Analysis
    - Exercise - Oil Buildup Analysis using PTA
    - Deliverability Testing
    - Exercise - Gas Modified Isochronal Analysis
    - Exercise - Gas Modified Isochronal Analysis using PTA

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# Petroleum Resource Characterization

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# Petroleum Resource Characterization

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    - Overview
    - Gas Reservoirs
    - Oil Reservoirs
    - Exercise - Gas Reservoir Recovery Factor
  - Analytical Modeling Techniques
    - Analogy
    - Decline Curve Analysis
    - Fluid Displacement Analysis
    - Material Balance
    - Well Modeling (Nodal Analysis)
    - Integrated Production Modeling (IPM)
    - Exercise - Gas Reservoir Production Profile and Recovery

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