

PLANNED PROGRAM

# Food & Feed Extrusion Technology

ON-SITE MELBOURNE, AUSTRALIA OR ONLINE | 11 - 13 August 2021

Program may be subject to minor changes.

## DAY ONE

Wednesday, 11 August 2021

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|-------|--|
| 8:30  | Introduction & Welcome<br>Overview of the Extrusion Process (Gordon Young) |
| 9:15  | Extruder Configurations (Single & Twin Screw) (Dennis Forte)               |
| 10:15 | <b>Morning Break</b>   |
| 10:30 | Basic Science of Extrusion (Gordon Young)                                  |
| 11:15 | Role of Rheology in Extrusion Processing (Dennis Forte)                    |
| 12:15 | <b>Lunch</b>   |
| 13:00 | Principles of Die Design (Dennis Forte)                                    |
| 14:00 | Ingredients & Their Effects (Gordon Young)                                 |
| 14:25 | <b>Afternoon Break</b>   |
| 15:00 | Product Design Example (Gordon Young)                                      |
| 15:45 | Preconditioning for Extrusion (Gordon Young)                               |
| 16:00 | <b>Close Day One</b>   |

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## DAY TWO

Thursday, 12 August 2021

Sponsored by  
**CLEXTRAL** Extrusion  
Expertise  
Excellence

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|-------|--|
| 8:30  | Texturisation During Extrusion Processing (Dennis Forte)                               |
| 9:15  | Causes & Effects of Instabilities During Extrusion Processing (Dennis Forte)           |
| 10:10 | <b>Morning Break</b>   |
| 10:30 | Screw, Barrel & Die-plate Wear (Dennis Forte)  |
| 11:15 | Single Screw Extruders vs Twin Screw Extruders: An Engineering Analysis (Dennis Forte) |
| 12:00 | <b>Lunch</b>   |
| 12:45 | Address by Clextral – Day Sponsor  |
| 13:00 | Demonstration in CSIRO Pilot Plant   |
| 15:00 | <b>Discuss Plant Observations, Afternoon Break</b>                                     |
| 15:30 | Optimal Extruder Configurations (Dennis Forte)   |
| 16:15 | <b>Close Day Two</b>   |

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## DAY THREE

Friday, 13 August 2021

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- 8:30** Die Design & Extruder Configuration Examples (Dennis Forte)
- 9:15** Paste Viscosity Measurement & Extruded Product Quality (Gordon Young)
- 10:00** **Morning Break**
- 10:30** Scale-up & Process Transfer (Dennis Forte)
- 11:30** Drying Technology Related to Extruded Products (Gordon Young)
- 12:15** **Lunch**
- 13:15** Understanding Co-extrusion Technology (Dennis Forte)
- 14:00** Extrusion Troubleshooting (Gordon Young)
- 14:45** **Afternoon Break**
- 15:15** Extruded Product Quality Assurance & How to Achieve it (Dennis Forte)
- 16:00** **Final Discussion, Close of Course**