

# The Aluminium Rolling Technology Course

presented by Innoval Technology



## REGISTRATION FORM

Please select event date:  5<sup>th</sup>-16<sup>th</sup> July 2021 (this will be a **live online course**).

### Registration:

To register or confirm your registration please complete the form below for each delegate and send (e-mail, fax or post) to:

Helen Forrest, Innoval Technology Limited, Beaumont Close, Banbury, OX16 1TQ, UK.  
e-mail: [helen.forrest@innovaltec.com](mailto:helen.forrest@innovaltec.com), fax: +44 (0)1295 702898

|                         |  |
|-------------------------|--|
| Surname (incl. Title)   |  |
| First name              |  |
| Company or Organisation |  |
| Job title               |  |
| Address                 |  |
| Telephone               |  |
| Mobile                  |  |
| e-mail                  |  |

Fees: £4,100 or £3,750 if registered before 9<sup>th</sup> June 2021.  
UK attendees will have to pay VAT on the course fees.

Please indicate your preferred method of payment:

- Cheque** enclosed, payable to Innoval Technology Ltd.
- Purchase order:** Please invoice my company/organisation at the address below.

|                                |  |
|--------------------------------|--|
| Order number                   |  |
| Name (if different from above) |  |
| Address                        |  |
| Telephone                      |  |
| Fax                            |  |

### Important:

Course fees are payable **in advance** and must be received prior to the commencement of the course. Your registration is not confirmed until payment is received. **Any fees not paid in advance will be subject to the higher rate of £4,100.**

### Cancellation:

Fees will be refunded, less 10% handling charge, for any cancellation received in writing 14 days prior to the course. For cancellations after this and for non-attendance, Innoval reserves the right to charge the full rate. Substitute delegates are welcome.

# The Aluminium Rolling Technology Course

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Part of Danieil Group

## The course is designed to:

- Help you reduce downtime and improve product quality
- Enable quicker solving of rolling process problems
- Give an in-depth understanding of the fundamentals of aluminium flat rolling

The course comprises both presentation and workshop sessions. All delegates receive a 750-page manual on a protected USB stick, as well as a hard copy which will be posted ahead of the event.

We are committed to running the course with a limited number of participants to facilitate a high level of presenter/participant interaction. Here are some comments from previous participants:

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*I really enjoyed this course. The way modules such as vibration and the mechanics of rolling were taught made them really easy to understand. I also liked the close contact with the instructors; they were always available to give us answers, and they have so much industry experience. Finally, it made a real difference for me that the course was focused on Aluminium.*

*Luiz Alves, Sheet Rolling Supervisor, Alcoa Aluminio S.A.*

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*I was particularly impressed by the presenters' effectiveness in conveying some difficult concepts to a diverse group of delegates. I have attended rolling courses before, but none with this level of clarity. The order of the different modules enabled an efficient transfer of knowledge.*

*Frans Spring, Process Specialist, Hulamin*

To register, please complete and return the Registration Form overleaf.

An example timetable is provided below:

| ALUMINIUM ROLLING TECHNOLOGY COURSE - Innoval Technology, Online, July 2021 |                                       |                             |                                |                               |                                  |                              |  |                            |                                     |
|---|---------------------------------------|-----------------------------|--------------------------------|-------------------------------|----------------------------------|------------------------------|--|----------------------------|-------------------------------------|
| MONDAY 5th<br>13:30 Start   |                                       | TUESDAY 6th<br>13:30 Start  |                                | WEDNESDAY 7th<br>13:30 Start  |                                  | THURSDAY 8th<br>13:30 Start  |  | FRIDAY 9th<br>13:30 Start  |                                     |
| 13:30   | Introduction and meet the lecturers   | 13:30                       | Machinery Overview             | 13:30                         | Finishing Overview               | 13:30                        | Thermal Aspects of Rolling               | 13:30                      | Aluminium Rolling Lubrication       |
| 14:15   | Aluminium Market Dynamics and Drivers | 14:30                       | BREAK                          | 14:15                         | BREAK                            | 14:30                        | BREAK                                    | 14:30                      | BREAK                               |
| 15:00   | BREAK                                 | 14:45                       | Mechanics of Rolling           | 14:30                         | Process Metallurgy               | 14:45                        | Thermal Aspects of Rolling               | 14:45                      | Mechanics of Profile and Flatness   |
| 15:15   | Aluminium Casting Overview            | 15:30                       |                                | BREAK                         |                                  | 15:45                        |  | BREAK                      |                                     |
| 16:00   | BREAK                                 | 16:00                       | BREAK                          | 15:45                         | Process Metallurgy Workshop      | 16:00                        | Thermal Aspects of Rolling Workshop      | 16:00                      | Mechanics of Profile and Flatness   |
| 16:15   | Process Overview                      | 16:15                       | Mechanics of Rolling Workshop  |                               | Process Metallurgy               |                              |  |                            |                                     |
| 17:00 - 17:15   | Group Discussion and Questions        | 17:00 - 17:15               | Group Discussion and Questions | 17:00 - 17:15                 | Group Discussion and Questions   | 17:00 - 17:15                | Group Discussion and Questions           | 17:00 - 17:15              | Group Discussion and Questions      |
| MONDAY 12th<br>13:30 Start  |                                       | TUESDAY 13th<br>13:30 Start |                                | WEDNESDAY 14th<br>13:30 Start |                                  | THURSDAY 15th<br>13:30 Start |  | FRIDAY 16th<br>13:30 Start |                                     |
| 13:30   | Surface Generation                    | 13:30                       | Introduction to Control        | 13:30                         | Automatic Gauge Control          | 13:30                        | Profile Measurement and Control          | 13:30                      | Automatic Flatness Control          |
| 14:30   | BREAK                                 | 14:30                       | BREAK                          | 14:30                         | BREAK                            | 14:30                        | BREAK                                    | 14:30                      | BREAK                               |
| 14:45   | Surface Defects                       | 14:45                       | Control Workshop               | 14:45                         | Automatic Gauge Control Workshop | 14:45                        | Profile Measurement and Control          | 14:45                      | Automatic Flatness Control Workshop |
|   |                                       | 15:30                       | Introduction to Control        |                               | Automatic Gauge Control          | 15:45                        |  | BREAK                      | 15:30                               |
| 15:45   | BREAK                                 | 15:45                       | BREAK                          | 16:00                         | BREAK                            | 16:00                        | Profile Measurement and Control Workshop | 15:45                      | Automatic Flatness Control          |
| 16:00   | Data Workshop                         | 16:00                       | Mill Vibration                 | 16:15                         | Automatic Gauge Control          |                              |  |                            |                                     |
| 17:00 - 17:15   | Group Discussion and Questions        | 17:00 - 17:15               | Group Discussion and Questions | 17:00 - 17:15                 | Group Discussion and Questions   | 17:00 - 17:15                | Group Discussion and Questions           | 17:00 - 17:15              | Group Discussion and Questions      |