More CBUS - Weekend Course

17-19th July 2021 (Rushden)

(Postponed from 2020 and June 2021)

It became clear that we cannot have confidence that things will have become safe enough, with restrictions lifted sufficiently, to run this course on the 2021 dates we had originally hoped.

So we have taken the difficult decision to reschedule it yet again to the date in July as shown above. This is after the date when the government hopes to have lifted all restrictions, so we are all hoping we can run the course then.

All bookings for postponed dates in 2020 and 2021 will be honoured for this one. If you already have such a booking, you will be contacted by email with latest updates.

This course is for those already familiar with the basics of CBUS, who would like to take it further.

The course will take place in the "Goods Shed" meeting room at the Rushden Transport Museum & Railway, Rushden Station, Northamptonshire.

The course will start with arrivals from 4pm on Friday evening and then takes place over the weekend (Saturday and Sunday).

We also have an optional follow-on practical workshop day on Monday 28th June. This will be a practical workshop day for you to apply the knowledge learnt over the weekend. You can work on whatever you wish, with assistance from the tutors, such as working on your own CBUS implementation or revisiting certain course subjects.

This course assumes that you have attended the Introduction to CBUS course, or that you already have a good understanding of the basics of CBUS, building modules and getting them working.

"More CBUS" takes you on from the basics to making more of CBUS, with particular emphasis on using the Universal CANMIO firmware as well as interlocking and other applications of CANCOMPUTE.

Topics covered will include:

- Recent Developments in CBUS - up to the minute "What's New"
- Connecting to CBUS using Ethernet - the CANEther, CANPi and CANPiZero modules
- More practice and setup in FliM using the FCU utility
    - Teaching producer events
    - Understanding CBUS messages
    - Using FCU with generic dialogs
- The Universal CANMIO firmware:
    - Inputs/outputs and servos all on one board
    - Concepts
    - Limitations
    - Setting up with FCU - latest FCU updates
- Using CANMIO daughter boards
- Conditional events and interlocking with CANCOMPUTE
- "Start of day" events
- Short vs long events

- Turnout feedback - real and virtual
- Changing settings in the MERG CANCMD using FCU
- Looking at the new JMRI node manager and alternatives to FCU.
- Arduino CBUS modules

Bookings are open.

You can download more details and the booking form below:

More CBUS course 2021 details

Enrolment form for More CBUS course 2021

These courses are organised by a group of MERG members for the benefit of other MERG members and railway modellers in general. Your booking is directly with the course organisers, not with MERG itself.

Other Courses

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