

Welcome to the 2019 Winter/Spring Edition of the North West Newsletter! Firstly, I would like to extend special thanks thank Alexander Allen for successfully leading the North West Group over the preceding six years. Alex's leadership of the group ensured continuity of the co-ordination activity across the region, with key milestones including the reinvigoration of the Manchester regional branch, this Newsletter and the co-organization of the Engineering Excellence Awards.

The North West Regional Group of the IChemE is a volunteer led co-ordination group covering the geographic area of the North West of England (Chester, Cumbria, Manchester, North Lancashire and Warrington & Widnes). The goal of the group is to ensure co-ordination of the North West region with IChemE

congress and providing support to local groups as required.

The North West Regional Group holds five committee meetings every two months in addition to the Annual General Meeting at the start of the summer ending the event year. We co-ordinate the Engineer Your Future events across the North West, which are aimed at 16-18 year olds with the prospect of careers in Engineering.

In the coming months, the North West Group is co-hosting a range of events with other groups. On the 8th of April, a conference will be held in association with the Food and Drink Special Interest Group (SIG). On the 12th of June, the guest speaker at the Annual General Meeting will be Dr Graham Atkinson of the Health and Safety Laboratory.

Lastly, the North West Engineering Excellence Awards will be jointly hosted with the IMechE regional group at the Hilton Hotel in central Manchester. Andy Burnham, Mayor of Greater Manchester will present the keynote speech at the dinner, which

includes two award presentations of the IChemE North West Group.

Since we are volunteer led, the committee is always on the lookout for new members of all backgrounds to join us in our co-ordination goal across the region. Please do get in touch if you would like contribute to your local community of engineers.

Wadoud Hazineh,
North West Members Group Chair

If you are interested in joining the committee please email:

nwmgecm@ichememember.org

Diversity and Inclusion

IChemE North West group organised a Diversity & Inclusion (D&I) event on 13th February 2019. The event was first of its kind hosted by the IChemE NW group. The aim of the introductory event was to present the IChemE NW group understanding on selected topics. A series of events are envisaged in the near future to cover most of the topics under the Diversity and Inclusion umbrella.

The event held on 13th February, covered the following topics: Age, Gender, LGBT, Life and Family.

The event was a panel-based

discussion with four panel members who presented and discussed the above topics. The event successfully presented the observations and thoughts of the panel members which started a valuable discussion with the audience. It was deduced that in the field of engineering, the D&I topics are not getting enough attention in comparison to other sectors e.g. Public Sector, Banking and Military to name a few. With the positive actions being carried out by other sectors over the last few years, it is expected that the D&I top-

ics will gain importance in the engineering sector too.

The IChemE NW group believes that all opportunities must be provided to everyone, irrespective of their gender, sexual orientation, faith, believe or age etc. The D&I topic has a wider spectrum so suggestions and ideas from all the audiences are welcomed.

Anyone who would like to get involved in the next D&I event or just interested in being kept informed please contact the IChemE NW group.

Name	Position
Wadoud Hazineh	Chairman
Alex Allen	Vice Chairman and NW Congress Rep
Dariya Nurtazayeva	Secretary
Uchenna Onwuamaegbu	School's Liaison
Milton Avila	Webmaster
Sam Haig	Treasurer
Vacant	Mentor Co-ordinator
Dongda Zhang	University Representative
Ajay Saxena	Diversity and Inclusion
Dyako Amin	Student Representative
Danyal Abbas	Student Representative
Anthony Greenough	NW Congress Rep

Inside this issue:

Engineering Excellence Dinner	1
Engineering Your Future	2
Student Update	2
Regional Group Update	3



ICHEME NORTH WEST GROUP NEWSLETTER

ENGINEERING YOUR FUTURE(EYF)

EYF a series of one day events in which representatives from different engineering institutions (Mechanical, Civil, etc.) deliver a series of interactive presentations to 17-18 year old students to inform them about the different career opportunities available within engineering.

Not only do these EYF events provide an extremely valuable insight into the exciting world of engineering for the students, they also acts as a valuable CPD element for the young presenters, and contributes to their company's CSR programme.

<http://www.northwest-engineering.org/what-is-engineering-your-future.html>

This is an excellent opportunity to enhance your CV and demonstrate commitment to supporting young people in STEM. For STEM Ambassadors this would also count as one of your volunteering activities.

2018 saw an increase on the four events in 2017 to five in 2018:

- 12th October 2018 - Liverpool, Anfield Football Ground
- 9th November 2018 – Preston (Grasshoppers RFC)
- 16th November 2018 – Manchester 1 (Siemens)
- 22nd November 2018 – Warrington

(Warrington Wolves RFC)

- 30th November 2018 – Manchester 2 (Manchester Metropolitan University)

It is hoped that 2019 will see the EYF events again grow with interest from the University of Chester, Lancaster University and BAE Systems at their ASK Centre in Samlesbury Aerodrome which is pencilled in for Friday 18th October 2019.

Dariya Nurtazayeva, event volunteer:

"Engineering Your Future (EYF) event provides great opportunity for students to explore engineering disciplines inside out, by attending the range of workshops. Students were able to find out about career and educational route pathways from professionals across the range of industries and institutions. I am looking forward to participate in the next round of the EYF events and inspire next generation."

Anyone interested in taking part or have any questions please email:

nwmgecm@ichememember.org



Frank Morton Sports Day 2019



Student in Industry

As a student, I never experienced the scope of my skills to be used in manufacturing environment. All that was in-front me was theories and assumptions that we make prior to calculation. Though, Royston site is a fully functional plant of JM, we still can find shots were it could be improved. The effort from mine and my teammates' part is to improvise or modify the existing production, so that there is cost reduction and a pathway through which future state of the plant could be visualized. I am working in a team who derives innovative ideas and implement them on full scale.

The process of innovation into a plant is interesting as it has a number of steps in approval from small scale trial into production. All notification points or source of errors are clearly noted in this small scale trial. Even if maximum care is taken for the same, there will be some surprising 'breakdown' as a Chemical Engineer during these process my job is to predict as much as possible through simulations such as CFD, past trial documents etc. My other works at the site included identifying points

of production.

Apart, from gathering expertise this experience is an enhancement for developing further of my career. The procurement of placement these days have gone to become similar to graduate job hunting. So in that respect as well it gives you a new experience which is helpful to you for the future: a taste session prior to making choices.

Christina Pullattu Joseph is a 3rd MEng student at Manchester who is currently taking her industrial placement at Johnson Matthey.



UPCOMING EVENTS

Event	Date
Manufacturing at the Springfields Nuclear Fuel Site Focusing on the Early Years; 1940's & 50's., Barton Grange Hotel	20th March
Engineering Excellence Awards Dinner, Hilton, Manchester	29th March
My Journey – a personal account of a fascinating career, which included running the Dow Chemical Company and British Nuclear Fuels, LJMU	2nd April
Axion Recycling Plant Visit Axion Plant	30th May
North West AGM, University of Manchester	12th June
North West Pub Quiz, Veeno Manchester	June/July

ICHEME NORTH WEST GROUP NEWSLETTER

MANCHESTER BRANCH UPDATE

The Manchester Members group remains very active and always welcomes new members to the committee.

There have been several technical talks this year and a few social events with a mixed number of attendees but usually around 20-30. Overall it has been a successful year. Rodney Gilmour, Mechanical Engineer, member of Chartered Institute of Arbitrators presented a very interesting talk entitled "Keeping Your Process Confidential". Site visits include the Pilsworth Air Storage Facility visit on the 29th of November and Robinsons Brewery Tour held on the 27th of January. Social events include the Social Dinner held on the 14th of December, A "Get Chartered" event was also held in November with a good turnout. Future events include attendance of the Blue Dot Festival at Jodrell Bank and the Bing Bang festival.

For more information please contact Martin Hyde at: Martin.Hyde@ghd.com

CUMBRIA BRANCH UPDATE

The Cumbria Branch held its AGM on the 14th of November, with keynote speech this year was from Ken Rivers, IChemE President and COMAH Strategic Forum Chair. Ken's speech touched upon a variety of topics, including leadership, IChemE transformational change and major hazard process safety.

In January, Cumbria Members Group organised a visit to the Iggesund Paper Board Ltd in Workington.

Another recent event held in September includes a visit to the Florence Mine in Egremont, Florence Mine is the last haematite mine in Europe and part of the rich mining heritage in West Cumbria. The ore extracted from Florence Mine was once used in the manufacture of pig iron, which was used in the production of steel. The metallurgical coal to be extracted by West Cumbria Mining will also be used in steel production, supporting plants in Port Talbot and Scunthorpe.

The group continue to support local STEM activities to inspire young engineers of the future. The group is the smallest member group in the UK in terms of number but not activity!

Future talks include the Get Chartered Event

For more information please contact Toby Cushion at:

cumbria-chair@ichememember.org

NORTH LANCASHIRE BRANCH UPDATE

As of March 2019, meetings of North Lancashire, group comprise evening gatherings with speakers, on subjects from all parts of science and technology. We run five meetings over a calendar year, between October and March, supplemented by a visit to a site. Lancaster University has become an active part of the group with additional volunteers.

Recent events including "The Faraday Challenge: R&D getting to grips with electrical storage for the future" at Barton Grange Hotel and "An Insight into a Cumbria-based Specialist Paper Manufacturing Organisation". For information on how to join the group, including help organise events and talks please contact Peter Macalpine at pmacalpine@sky.com

WARRINGTON AND WIDNES BRANCH UPDATE

The Warrington & Widnes Group is currently holding its schedule of events for the winter and spring period. New members are always welcome to join us at our meeting point, The Looking Glass Pub. If interested, please get in touch with either Phil or Nnamdi.

A technical talk entitled "Nuclear New Build" was held on the 6th of December at The Centre, in Birchwood Park. This talk, presented by Nick Griffin, of Rolls-Royce, reviewed recent developments in the nuclear industry to discuss the contribution Rolls-Royce and Process engineers are making and will make in Nuclear New Build.

A Get Chartered Event was co-hosted with the Chester Members Group at Thornton Science park on the 12th of February.

Following the success of last year, the group visited Fiddler's Ferry Power Station in Warrington on the 28th of February. SSE Generation owns and operates the 2,000MW Fiddler's Ferry coal fired power station which is capable of co-firing biomass. It is situated on the north bank of the River Mersey between Warrington and Widnes.

For more information please contact Phil Egan at: philegan2000@hotmail.com

CHESTER BRANCH UPDATE

The Chester group is very active with various events held around the geographic area.

A recent event entitled "Electronics in Horticulture – the Plant is in Control" was presented by Roger Todd, who spent 4 years of research into electronics in horticulture at Northop College in north Wales.

A Get Chartered Event was co-hosted with the Warrington and Widnes Members Group at Thornton Science park on the 12th of February.

A future planned talk on the 2nd of April by Mike Parker, Chair of Liverpool John Moore University Board of Governors, covering his professional journey, including highlights of running the Dow Chemical Company and British Nuclear Fuels.

For more information please contact Peter Swanson at:

peterswanson120@btinternet.com

Engineering
Excellence



AWARDS

North West Engineering Excellence Awards Dinner 2019

Friday 29th March 2019,
Hilton, Deansgate Suite, Manchester

Join us for a celebration of Engineering Excellence in the North West. The drinks reception commences at 18.30 followed by a four course dinner including wine or soft drinks. Between courses we will hold the awards ceremony and we will hear from our guest speaker. Music and entertainment will be provided by 'Sweet Rhythm' Big Band with a late bar open until 1am and preferential Hilton hotel room rates.

The event is in aid of educational projects in the North West and the raffle will be raising money for the North West Air Ambulance.



www.nwaa.net

Liz Greenwood, Fundraiser for the North West Air Ambulance will be describing the work of the North West Air Ambulance and the engineering challenges that this presents in reaching, treating and transporting those who need emergency care.

Corporate Dinner Sponsorship Package

£1000 per table

Table for 10 (4 course meal including wine/soft drinks)
Pre-Dinner Drinks reception
Premium table location
Pop-up style company banner in the foyer
Company logo on the table menus and other Dinner publicity
Sponsors slide in multi-screen rolling presentation
Sponsorship acknowledgement in post dinner publicity

Ticket Prices

Members Table for 10 - £550

(At least one member per table booking)

Members Ticket - £55

(Multiple tickets not guaranteed to be seated together)

Non-Members Ticket - £65

(Multiple tickets not guaranteed to be seated together)

Couples Ticket - £100

Closing Date For All Bookings

Friday 1st March 2019

Contact nwmgecm@ichememember.org

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