

# **Institute of Physics – London & South East Branch – Retired Members Section**

## **BCAST & ETC, Brunel University, Uxbridge**

### **Thursday 8 March 2018**

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This visit has been organised by George Freeman with help from Peter Quested (BCAST)

BCAST is the Brunel Centre for Advanced Solidification Technology and focuses on fundamental and applied research on solidification of metallic materials. [www.brunel.ac.uk/bcast](http://www.brunel.ac.uk/bcast). ETC is the Experimental Techniques Centre which specialises in high resolution physical and chemical analysis for consultancy and research.

BCAST was established in 2002 and is the EPSRC centre dealing with all aspects of metal processing. It concentrates on fundamental research, technical developments and industrial application for all metals, but mostly aluminium or magnesium based ones. Another section is aiming for a sustainable metal market without so much fresh metal input via recycling. They can carry out continuous casting of components used in industry varying composition and conditions that cannot be investigated in industry. They have a second building that they are equipping which we will also see. This centre is a LIME Hub.

ETC is equipped with world-class imaging and analytical instrumentation and has expert technical staff. It supports research across Brunel as well as providing a UKAS-accredited commercial service externally. The materials characterisation work covers a range of disciplines: engineering, physical and biological sciences and the environment. For example, they can directly measure the size of unit cells with their XRD equipment.

We will be given a talk and guided tour of both BCAST and ETC.

**MEET** Assemble in Eastern Gateway, the main reception. We will be collected there. There is a small coffee bar there at the far end.

**GETTING THERE** See map and info sheet.

**Public transport:** from central London the Metropolitan line takes 40 minutes from Baker Street and, in the rush hour only, the Piccadilly line takes 50 minutes from Earls Court. If necessary, use busses from the station. It is a 10 minute walk.

From west London use buses; from Heathrow the A10 is fast to Uxbridge every 15 minutes taking 25 minutes. Alight at the Greenway and use the footpath 10 to 20 yards behind you on the right.

**Cars:** go to Reception and park in the temporary parking bays (15 minutes only). After registering collect your parking permit and park where told.

10:30 – 10:50	Assemble in Eastern Gateway; coffee bar
11:00 – 13:00	Talk & tour of BCAST
13:00	Lunch at the Lancaster Hotel.
14:30 – 16:30	Talk and tour of ETC
16:30	Close

**LUNCH** We will have lunch at the on-site hotel (Lancaster). See 2017 menu attached. When next year's menu becomes available I will send it to those who register and we must pre-order the lunch. ETC has kindly offered to arrange tea before we leave

**COST** £12 with a maximum of number of 20.

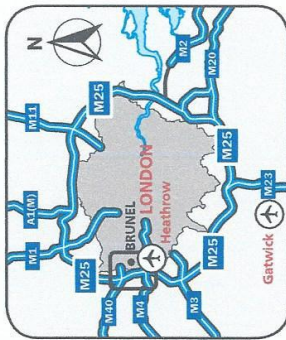
#### **CONTACTS**

Before the meeting. [georgefreeman@georgefreeman.force9.net](mailto:georgefreeman@georgefreeman.force9.net) 020 8979 1271

Or Tony Colclough 020 8398 0766 or 07930 171 307 [tonycolclough@tiscali.co.uk](mailto:tonycolclough@tiscali.co.uk)

On day of visit. George Freeman 07941 916 944

**LATE JOINERS** - please phone George to find where we are.



## Getting to Brunel University London

### BY BUS

**From Heathrow Central:** A10 "Heathrow Fast", every 15 minutes, journey time approx 25 minutes (alight Hillingdon Rd at "The Greenway" and use footpath to campus).

**From Stockley Park:** A10 "Heathrow Fast" as above, journey time approx 10 minutes.

### From West Drayton railway station:

U3 (alight Cleveland Road)  
U1 (alight Kingston Lane)  
222 (alight Cowley Road and use path via Zone A, see campus map).

### From Uxbridge (underground) station:

U3 (alight Cleveland Road)  
U1 (to West Drayton) U4 and U7 (alight Kingston Lane)  
222 and U5 (alight Cowley Road and use path via Zone A, see campus map).

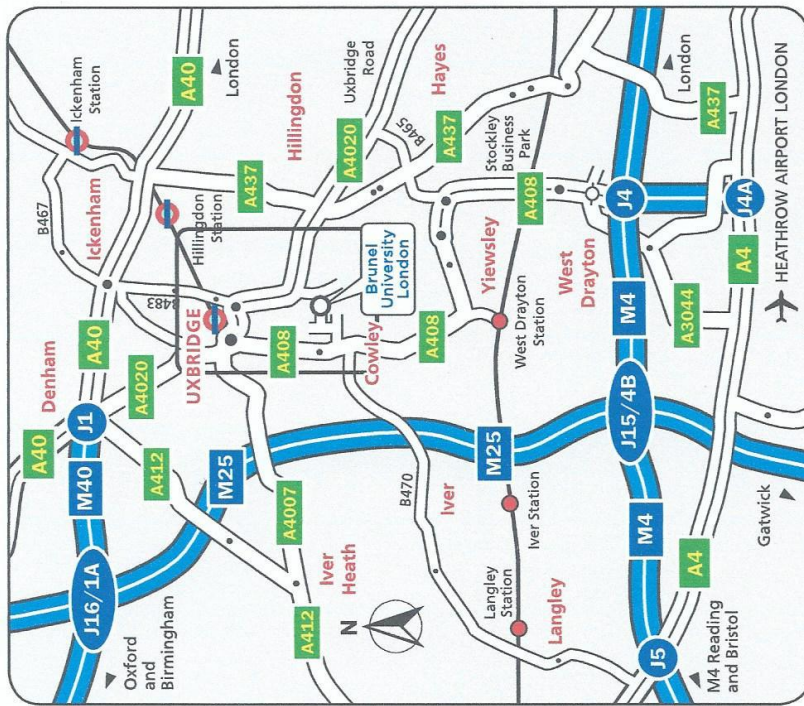
### BY UNDERGROUND

(Transport for London) For Uxbridge Station take the Metropolitan Line from central London (and Piccadilly Line during peak hours). Then take a taxi, or bus U1, U3, U4 or U7. (Alternatively use the 1-mile walking route shown on the right.)

### BY RAIL

West Drayton (First Great Western Link) is the nearest main-line station (approx 1.5 miles from the campus). Services from London Paddington or the West (Bristol). From West Drayton station take a bus towards Uxbridge: 222 (alight Cowley Road), U5 (alight Station Road), U3 (alight Cleveland Road) or U1 (alight Kingston Lane).

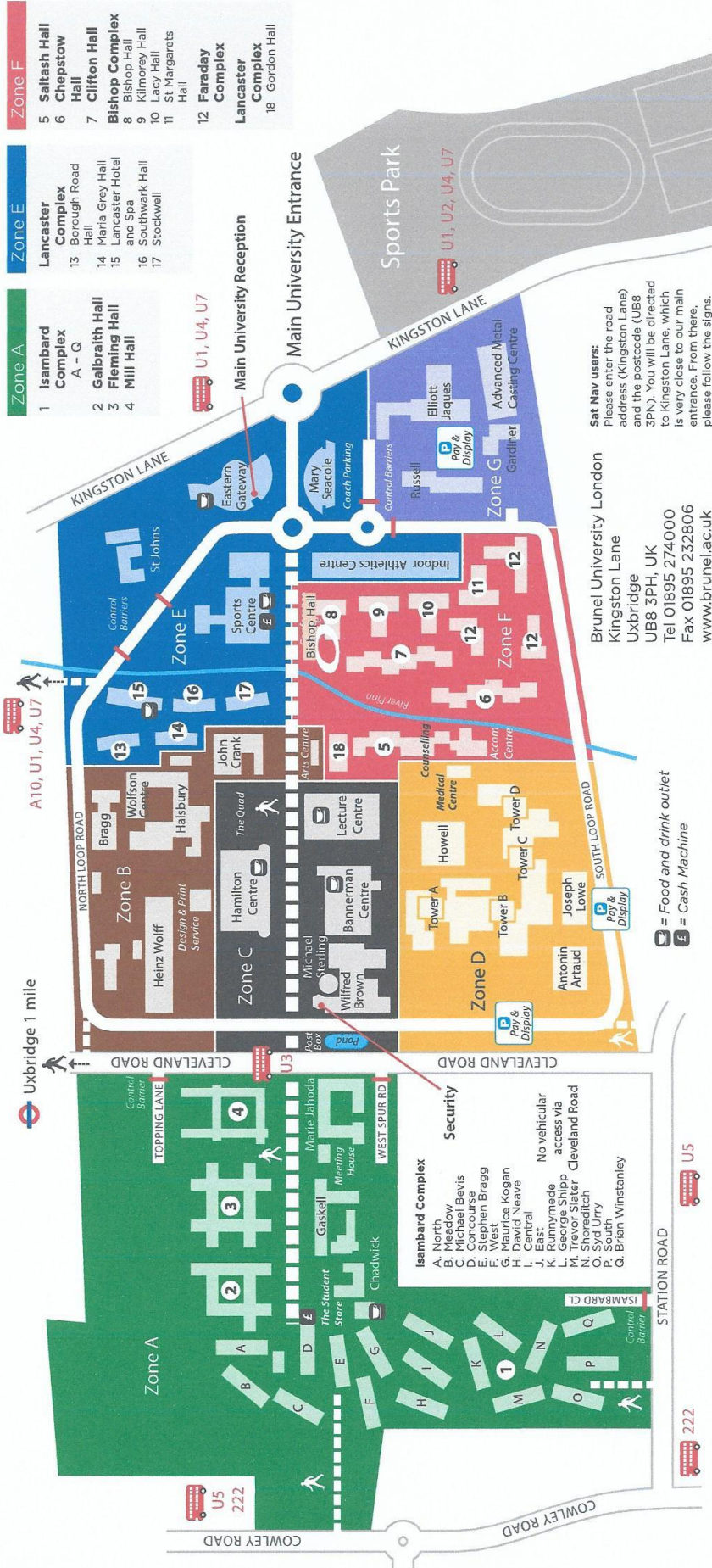
West Ruislip Station (Chiltern Railways) is the main-line service from London Marylebone and the North (Aylesbury, Banbury and Birmingham) and is approximately 4 miles from the campus. From West Ruislip Station take the U1 bus towards West Drayton, alight Kingston Lane.





# ACCOMMODATION

Zone A	Zone E	Zone F
1 Isambard Complex A - Q	13 Lancaster Complex Hall	5 Saltash Hall
2 Galbraith Hall	14 Maria Grey Hall	6 Chepstow Hall
3 Fleming Hall	15 Lancaster Hotel and Spa	7 Clifton Hall
4 Mill Hall	16 Southwark Hall	Bishop Complex
	17 Stockwell	8 Bishop Hall
		9 Kilmorey Hall
		10 Lacy Hall
		11 St Margarets Hall
		12 Faraday Complex
		Lancaster Complex
		18 Gordon Hall



## Brunel University London Campus Map

**Sat Nav users:**  
Please enter the road address (Kingston Lane) and the postcode (UB8 3PH). You will be directed to Kingston Lane, which is very close to our main entrance. From there, please follow the signs.

Brunel University London  
Kingston Lane  
Uxbridge  
UB8 3PH, UK  
Tel 01895 274000  
Fax 01895 232806  
[www.brunel.ac.uk](http://www.brunel.ac.uk)

= Food and drink outlet  
 = Cash Machine



## LIGHTER SELECTION

### Salads

Lancaster Duck Salad	£8.95
Warm shredded duck, green beans and topped with Sesame seeds and hoisin sauce	
Chicken Caesar Salad	£8.50
Chicken with a caesar dressing, parmesan shavings and croutons	
Create your own Main Course Salad from the Salad Bar (V)	£6.50

### Jacket Potatoes

Jacket Potato with Tuna & Sweetcorn Mayo	£7.95
Jacket Potato with Baked Beans or Cheese	£6.95

Help yourself to the complimentary salad bar

Extra Toppings from	£1.00
Cheese, Baked Beans, or Bacon	

### Sandwiches

Your choice of white or brown bread or ciabatta.  
All served with a salad garnish and potato crisps

Club Trio (chicken, bacon, lettuce and mayonnaise)	£7.95
BLT (bacon, lettuce & tomato)	£7.50
Tuna and Cheese Melt	£7.50
Tuna Mayonnaise and Cucumber	£7.25
Cheese and Tomato (V)	£5.20



### Restaurant Opening Times

<b>Lunch</b>
Monday - Friday
12:00 to 2:30pm (last orders)
<b>Dinner</b>
Monday - Sunday
6pm to 9:30pm (last orders)

Why not stay with us at the Lancaster Hotel & Spa? We offer both Deluxe, Double and Small Double bedrooms.

Free Wi-Fi



Free Parking



Free Gym Access



Spa Access\*

### To Make A Reservation:

Phone: 01895 268006

Fax: 01895 269745

Email: Lancaster-suite@brunel.ac.uk

\* Subject to additional charge

## Lancaster Hotel and Spa Restaurant

Room Service - Call 66131  
Available 18:00 - 21:30

## STARTERS

Homemade Soup of the Day (V)	£4.95
Served with a roll and butter Ask your server for today's soup choice	
Bourbon BBQ Mini Duck Drumsticks	£6.95
Served with a salad garnish & BBQ sauce	
Red Cabbage & Apple Roulade with Brie & Red Onion Marmalade (G, V)	£6.95
Served with a salad garnish & red onion chutney	
Smoked Salmon and Prosecco Parfait	£7.75
Mousse with prosecco sauce centre. Served with crackers, cucumber slice and lemon	
Bread, Houmous, Olives and Oils (V)	£6.25
Perfect for sharing whilst waiting for your main course	
Garlic Bread (V)	£2.50
Garlic Bread & Cheese (V)	£3.50

## SIDES

Onion Rings	£2.00
Mashed Potatoes	£2.00
Salted Chips	£2.00
Cajun Chips	£2.00
New Potatoes	£2.00
Rice	£2.00
Veg of the Day	£2.00
Bread Roll with Butter	£1.50

If you require allergen advice or information, then just ask your waiter.

G= Gluten Free

V= Vegetarian

## MAINS

Steak & Ale Pudding	£10.50
Served with mash potatoes, seasonal vegetables and gravy	
Braised Lamb Shank with Mint Gravy	£15.95
Served with mash potatoes and seasonal vegetables	
Sausage & Mash	£9.50
Served in a yorkshire pudding with rich onion gravy	
Chicken Jalfrezi Curry	£9.85
Tender chicken in a medium hot curry sauce. Served with rice and naan bread	
Sweet Potatoes Chickpeas & Spinach Curry	£9.25
Served with rice and naan bread	
Pasta Carbonara	£8.95
Tagliatelle in cream sauce with a side of parmesan cheese and garlic bread (V)	
Add Chicken	£9.50
Add Bacon	£9.25

## FROM THE GRILL

8oz Rump Steak	£13.95
Served with grilled tomato, mushroom, onion rings and chips	
Why not add an extra sauce to your dish for £1.75 Choose from peri peri, peppercorn or garlic butter	
8oz Gammon with Egg	£10.50
Grilled and topped with a fried egg tomato and chips Add an extra fried egg for £1	
BBQ Pork Rib Steak in a bun	£9.25
Filled with salad, jalapeños, mayonnaise and BBQ sauce	
Peri Peri Chicken and Bacon	£10.95
Grilled chicken, bacon and melted cheese smothered with peri peri sauce. Served with green beans, coleslaw and cajun chips	
If you can't take the heat then try it with BBQ sauce, coleslaw and salted fries instead.	

Complimentary salad bar only with every main course purchased

## BURGERS & PIZZA

All our burgers are served with lettuce, tomato, breaded onion rings and chips

Beef	£9.95
Minted Lamb	£9.95
Chicken	£9.25
Falafel & Spinach Vegetable Burger (V)	£8.95

10" Magherita Pizza (V)	£8.95
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Add some extra toppings from £1.00 each

Cheese	-	Spiced Chutney	-	Mushroom
Bacon	-	Blue Cheese	-	Sausage
Jalapeños	-	Sweetcorn	-	Red Onion
Chicken	-	Mix Peppers	-	Ham

## FISH

Cider Battered Fish & Chips	£10.50
Sustainable fish fillet served with chips and garden peas	
Salmon Fillet	£11.95
Served with new potatoes and green beans	

## DESSERTS

Chocolate Fudge Cake	£5.95
Lemon & Orange Syrup Sponge Pudding	£5.95
Apple Tart (V)	£5.25
All of the above are served with a choice of cream, custard or ice cream	
Vanilla Ice Cream (V)	£4.25
Topped with a strawberry, chocolate or caramel coulis	
Rum and Raisin Ice Cream	£3.99