

[New mathematical discovery in maximal sum-free sets after a decade of the unknown \(/university/colleges/eps/news/college/2014/New-mathematical-discovery-in-maximal-sum-free-sets-after-a-decade-of-the-unknown.aspx\)](/university/colleges/eps/news/college/2014/New-mathematical-discovery-in-maximal-sum-free-sets-after-a-decade-of-the-unknown.aspx)

One of the most basic concepts in Mathematics is the notion of a sum. That is, a set of three numbers such that two of the numbers add up to the third. For example, 4, 5 and 9 form the sum $4+5=9$ whilst 3, 4 and 9 certainly do not form a sum! This concept is one that every school child has seen, yet there still remain many deep and difficult problems in this area.

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[New Staff in Chemistry, July - October 2014 \(/university/colleges/eps/news/schools/New-Chemistry-staff-2014-3.aspx\)](/university/colleges/eps/news/schools/New-Chemistry-staff-2014-3.aspx)

A round-up of new Chemistry faculty March - July 2014

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[MathSoc Update - November 2014 \(/university/colleges/eps/news/student/MathSoc-Update-Nov14.aspx\)](/university/colleges/eps/news/student/MathSoc-Update-Nov14.aspx)

It's been an incredibly busy start to the new academic year for MathSoc. President Eve Dam tell us more.

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[New Staff in Mathematics, July - October 2014 \(/university/colleges/eps/news/schools/New-Maths-staff-2014-3.aspx\)](/university/colleges/eps/news/schools/New-Maths-staff-2014-3.aspx)

A round-up of new Mathematics faculty members March - July 2014

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[BUCES Update, November 2014 \(/university/colleges/eps/news/student/BUCES-November-2014.aspx\)](/university/colleges/eps/news/student/BUCES-November-2014.aspx)

The Birmingham University Chemical Engineering Society (BUCES) has had a very busy start to the new year. Read more about what they've been up to.

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[James Watt Undergraduate Society \(JUGS\) Update - November 2014 \(/university/colleges/eps/news/student/JUGS-Nov-2014.aspx\)](/university/colleges/eps/news/student/JUGS-Nov-2014.aspx)

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[New Staff in Mechanical Engineering, July - October 2014 \(/university/colleges/eps/news/schools/New-Mechanical-Engineering-staff-2014-3.aspx\)](/university/colleges/eps/news/schools/New-Mechanical-Engineering-staff-2014-3.aspx)

A round-up of new mechanical engineering faculty July - October 2014

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[University of Birmingham Research Triumphs at IET Innovation Awards \(/university/colleges/eps/news/college/2014/Recognition-for-University-of-Birmingham-Research-at-IET-Innovation-Awards-.aspx\)](/university/colleges/eps/news/college/2014/Recognition-for-University-of-Birmingham-Research-at-IET-Innovation-Awards-.aspx)

Talented PhD student, Mohammad Esgandari, has been nominated for the Institution of Engineering and Technology (IET) Innovation Award for his pioneering Partitioned Brake Pad concept.

[Alumni \(/university/colleges/eps/news/news.aspx?NewsListingOrig_List_GoToPage=4&stylemediatype=print&TaxonomyKey=0/1/187/188\)](/university/colleges/eps/news/news.aspx?NewsListingOrig_List_GoToPage=4&stylemediatype=print&TaxonomyKey=0/1/187/188), **[Engineering and Physical Sciences \(/university/colleges/eps/news/news.aspx?NewsListingOrig_List_GoToPage=4&stylemediatype=print&TaxonomyKey=0/1/187/191\)](/university/colleges/eps/news/news.aspx?NewsListingOrig_List_GoToPage=4&stylemediatype=print&TaxonomyKey=0/1/187/191), **[Research \(/university/colleges/eps/news/news.aspx?NewsListingOrig_List_GoToPage=4&stylemediatype=print&TaxonomyKey=0/1/187/195\)](/university/colleges/eps/news/news.aspx?NewsListingOrig_List_GoToPage=4&stylemediatype=print&TaxonomyKey=0/1/187/195)****

[Engineers Without Borders - November 2014 \(/university/colleges/eps/news/student/EWB-Nov14.aspx\)](/university/colleges/eps/news/student/EWB-Nov14.aspx)

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[New Staff in Civil Engineering, July - October 2014 \(/university/colleges/eps/news/schools/New-Civil-Engineering-staff-2014-3.aspx\)](/university/colleges/eps/news/schools/New-Civil-Engineering-staff-2014-3.aspx)

A round-up of new Civil Engineering faculty March - July 2014.

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