CERN Bulletin

Issue No. 28-29/2018-Wednesday 11 July 2018
More articles at *http://home.cern/cern-people*

KEEPING A CLOSE WATCH OVER THE BEAMS

New beam diagnostic tools are being developed in the framework of the injectors upgrade project

Assembly of the new beam wire scanner model, the first in a series of 17 that will be installed in the accelerator complex during Long Shutdown 2. (Image: Julien Ordan/CERN)

For the members of the Beam Instrumentation group, everything is down to the wire... the wire in the new beam wire scanner they have just finished assembling, that is. The new model was developed in the framework of the LHC Injectors Upgrade (LIU) project and has been designed to cope with the increase in the performance of the accelerators.

Beam wire scanners measure the transverse profile of the beam: an important value to know when adjusting the parameters of the accelerators. They work in the same way as a cheese wire. The wire passes through the beam, generating a flurry of secondary particles, which are then detected by a scintillator. The data gathered makes it possible to determine the position of the beam and the transverse distribution of the particles.

The accelerator complex has 25 such devices, 17 of which are in the injectors. "*Some of them are around 30 years old,*" explains project leader Raymond Veness from the Beam Instrumentation group. "*With the increase in luminosity, we needed to renew them.*"

In 2021, the injector chain will be supplying brighter beams with more intense bunches of particles.

(Continued on page 2)

A WORD FROM...

BIKING TO WORK? STAY SAFE!

Now that the 2018 Bike to Work campaign has drawn to a close, CERN can be proud of a record turnout of cyclists, and we hope you'll keep on cycling – safely – through the summer months, joined by a large number of this year's cohort of CERN summer students.

(Continued on page 2)

In this issue

Published by:
CERN-1211 Geneva 23, Switzerland writing-team@cern.ch
Printed by: CERN Printshop
 CERN-ISSN: **Printed version:** 2011-950X
Electronic Version: 2077-9518

A WORD FROM...

BIKING TO WORK? STAY SAFE!

Although June passed off safely by and large, there were nevertheless some avoidable accidents, so here are some tips to help you reach your destination safely…

1. **Sometimes it might seem cool to have the power of invisibility, but not when you're on a bike. When you're perched up there in the saddle, surveying all around you, it's easy to forget that you can be hard for drivers to see. Be visible. Wear high visibility clothing and consider using lights even in daylight.**
2. **Remember that just about every kind of vehicle on the road is bigger and more robust than you. In any ambiguous situation, it's better to relinquish your priority than your life.**
3. **At a junction, if you have not made eye contact with a driver, it's better to assume they have not seen you than risk an accident.**
4. **The Saint-Genis-Pouilly roundabout is the scene of many accidents. As a cyclist using the cycle lane to cross the road, you do not have priority over the vehicles using the road. Unless drivers clearly indicate that they are allowing you to cross, you must give way. And remember, in some places the cycle path crosses two lanes of traffic, so make sure that both are stopping to let you cross.**
5. **If you haven't already taken CERN's safety course for cyclists, it's time to do so. Sign-up here! (*http://cern.ch/go/L86l*)**
6. **And if you'd like further food for thought, coupled with good advice, take a look at this Swiss website: *http://www.stayin-alive.ch/*. It's available in French, German and Italian and, although designed for motorcyclists, much of the information is equally relevant for anyone travelling on two wheels!**

Keep on pedalling, and stay safe!

Read also the round-up about Bike to Work.

Doris Forkel-Wirth & Jens Vigen
Head of the HSE Unit & CERN's Bike2Work coordinator

KEEPING A CLOSE WATCH OVER THE BEAMS

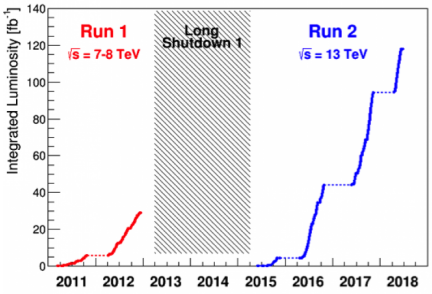
The new scanners are much faster and will be able to measure these beams without suffering damage. The wire in the model that will be installed in the SPS moves at 20 metres per second (72 km/h!), which is three times faster than the old version. "*What's more, the new models are more accurate thanks to a completely redesigned mechanical structure and a state-of-the-art control system,*" continues Veness. The scanners for the PS Booster and the PS, for example, are 20 times more accurate and able to determine the position of the beam to within around 6 microns. This precision is important, as these monitors provide a reference value for the calibration of all the other beam monitoring systems.

The group is also working on the next generation of devices for measuring the beam profile, notably a device that uses the residual gas present in vacuum chambers, which is currently being tested at the SPS. The beam ionises these few molecules of residual gas and the electrons thus freed are detected by a Timepix chip. The system is less invasive than other methods and can operate continuously.

In addition to these new devices, a huge programme to upgrade and renovate the beam instrumentation systems is underway. The accelerator complex has over 7000 diagnostic devices, 2500 of which are located inside the vacuum chambers. "*Several hundred beam positioning monitors or beam loss monitors in the injectors will be replaced or upgraded,*" says Rhodri Jones, the Beam Instrumentation group leader. "*For example, we are replacing the whole data-acquisition system for the beam position monitors in the SPS.*" The work, which has already begun at the PS Booster and the PS, will continue throughout Long Shutdown 2.

LHC REPORT: BACK IN PRODUCTION

At 2.02 p.m. on Saturday, 7 July, the last fill of the special physics run was dumped, ready for standard physics to resume



The integrated luminosity for Run 1 and Run 2.

Since the last LHC Report, the LHC has gone through a period of Machine Development (MD), a four-day technical stop, a technical stop recovery and a series of special physics runs.

The first technical stop of 2018 started on Monday, 18 June, when the last MD beam was dumped at 6.00 a.m. Many teams were ready to access the accelerator for the 300 maintenance and repair activities declared in the IMPACT tool. For the technical stop, nearly the entire machine was kept under operational cryogenic conditions, allowing a short stop and a potentially quick restart. The number of people in the tunnel reached almost 190 on Wednesday morning. At the end of the afternoon on Thursday, 21 June, the machine was handed back to the Operations team for the restart.

The technical stop recovery was, unfortunately, not as smooth as anticipated due to some technical issues, but the activities to prepare for the special physics runs were nevertheless able to start on Sunday, 24 June. Two types of special physics runs were planned: the van der Meer scans that allow the experiments to make an absolute measurement of the luminosity, and the b^* = 90 m run, for which the beams are not squeezed to their usual b^* of 30 cm but de-squeezed so that the particles collide under shallow angles, as required for the Roman Pots experiments, TOTEM and ALPHA.

For these special physics runs, three different configurations were required and each of them needed to be validated. This validation mainly concerned machine safety and consisted of the production of loss maps in order to verify that losses in the transverse and longitudinal planes are correctly absorbed by the different collimator systems. A total of 77 loss maps were generated and measured, requiring 14 cycles from injection through acceleration and into collisions. This is a time-consuming activity, the results of which are evaluated and, if deemed correct, formally validated by experts. Unfortunately, the whole programme was delayed by four days due to technical issues but also due to the complexity of the programme itself. Nevertheless, on Saturday, 6 July, the programme was successfully completed and the LHC reverted to production mode for standard 25 ns physics.

In the coming days, the LHC should reach the integrated luminosity target of 150 fb^{-1}, set for Run 1 and Run 2 combined. With only 2.6 fb^{-1} to go, this goal is very near. However, this does not mean that the LHC will be stopped soon. The next challenge will be to reach the goal set for 2018: 60 fb^{-1}. All the teams around the LHC are fully committed to continuing the hard work and reaching this goal before early December.

Period	Int. Luminosity [fb^{-1}]
Run 1	29.2
Run 2: 2015	4.2
Run 2: 2016	39.7
Run 2: 2017	50.2
Run 2: 2018	24.1
Total Run 1 + 2	147.4

A numerical overview of the yearly luminosity production with a total integrated luminosity of 147.4 fb^{-1} on Monday, 9 July, just 2.6 fb^{-1} away from the goal of 150 fb^{-1}.

Rende Steerenberg

BIKE TO WORK 2018: KEEP ON ROLLIN'

A record 992 CERN people participated in the 2018 Bike to Work campaign

Critical Mass at CERN, June 2018 (Image: CERN)

180 138 kilometres, 248 teams, and 25 940 kilograms of COreduction — these are the outcomes we can be proud of after one month of intense pedalling to and from CERN. Yet, one week after the challenge is over, CERN people haven't stopped cycling. In fact, the campaign has convinced many to get on their bikes daily and adopt it not only as a mode of transport, but also as a lifestyle choice. Riders' creativity was also sparked when coming up with team names. Ghostriders in the sky, Carbonara Team, LHC - Large Hadron Cyclists, Cyclopath and Quantum Spin are just a few examples.

Cinzia Pinzoni from the EP department had never really cycled before. But after accepting the challenge and signing up as a part of the “EP-SFT Ladies” team, she

finally got on her bike on 1 June, hitting the road for 32 kilometres every day from Pougny, France to CERN and back. By the end of the month, she had completed 483 kilometres. *"It just feels so right and now I will never stop,"* states Cinzia. Her experience is inspiring and motivating: *"I have more energy, I'm more mentally alert and my health has improved. The benefits are endless!"*

Cinzia would also like to encourage more women to start cycling. *"In the beginning it seems complicated, because you have to plan for bringing a change of clothes and taking a shower, but it is actually so simple! And being outdoors before and after working in the office is a great way to manage your time."*

Other *Bike to work* participants reported positive experiences and expressed the will to dedicate themselves more to cycling activities. *"This campaign made me realise that biking is not that complicated even if the weather conditions are not perfect. Imagine a world where 10% of the population decides to commute by bike: less traffic noise, less pollution, less cardiovascular disease, and happier and fitter people,"* says Bertrand Lefort from the *Cyclopath* team. Already a passionate cyclist, he confesses that if it wasn't for the challenge, he would have driven his car when the weather was bad or when he was feeling tired. Result: 1188 kilometres in one month and some attractive savings on fuel.

This year's Bike to work campaign mobilised 64 680 participants from 2 114 organisations and companies across Switzerland. Just one month of cycling stopped about 2 300 tonnes of CO from polluting the air. And the numbers are increasing each year. CERN is positioned, as always, near the top of the list — fourth overall in terms of the number of participants, but first in its category in terms of the percentage participating. More great news: the CERN team *"Doodle17"* won first prize — a tour around Switzerland — in the prize draw.

Keep on rolling for the rest of the year with the Bike to CERN challenge. Sign up now here. (*https://espace.cern.ch/bike2CERN/Pages/unofficial_event.aspx*) And most importantly, stay safe!

Cristina Agrigoroae

DRIVING OVER THE DETECTOR

An image of the LHCb detector painted on the road into Point 8 will greet visitors to the site

The LHCb detector's silhouette painted at the entrance of the experimental site. (Image: LHCb/CERN)

Did you know that when accessing LHC Point 8 you pass exactly above the LHCb detector? To demonstrate this to visitors, the LHCb collaboration has painted a silhouette of its detector on a 1:1 scale on the road leading to the experimental site. The components are painted exactly above the real ones located 100 m below.

CERN DONATES COMPUTER EQUIPMENT TO NEPAL

The equipment will help build high performance computing facilities supporting fundamental research in Nepal

Eckhard Elsen (left), Director for Research and Computing, and Ram Prasad Subedi (right), Minister Counsellor, Permanent Mission of Nepal, Geneva, in building 133, where the computer hardware was prepared for shipment (Image: CERN)

On 28 June 2018 a ceremony at CERN marked the donation of computing equipment to Nepal. On this occasion, 200 servers, and twelve network switches were donated to the University of Kathmandu. The donation included more than three thousands processor cores and sixteen disk servers providing more than 700 terabytes of storage. Thanks to this equipment, the University of Kathmandu will set up high performance computing facilities to support fundamental research and the development of science and technology in Nepal.

Since 2012, CERN has regularly donated computing equipment that no longer meets its highly specific requirements on efficiency but is still more than adequate for less exacting environments. To date, a total of 2079 servers and 123 network switches have been donated to countries and international organizations,

namely Algeria, Bulgaria, Ecuador, Egypt, Ghana, Mexico, Morocco, Pakistan, the Philippines, Senegal, Serbia, the SESAME laboratory in Jordan, and now Nepal.

Mélissa Gaillard

GOING FOR GOLD!

Fifty-five CERN athletes participated in the 16th Atomiade sports competition, held in June

Every three years, athletes from 42 different European research institutes spanning 16 countries are brought together to compete in numerous sporting events, hosted and organised by one of the participating institutes. In June, a team of 55 CERN athletes and their supporters travelled to Varese, Italy, to take part in the 16th Atomiade, organised by JRC-Ispra. The Atomiade event comes under the umbrella of the numerous events organised by ASCERI (the Association of the Sports Communities of the European Research Institutes), which aims to contribute to a united Europe through regular sports meetings, bringing together members of public research institutes at a European level.

Over the course of the Saturday and the Sunday, the CERN team participated in athletics (11 medals, including six bronze, four silver and one gold), cycling (sixth place), football (losing in the semi-finals to the winning team), golf (coming thirteenth overall and sixth in the doubles event, out of over 100 competitors), mountain biking, table tennis (sixth place), tennis (first and fourth place), trail running and volleyball (second and fourth place). Although the event is first and foremost a sports competition, it also has many other facets and benefits.

Not only does it improve working relationships between members of the CERN team, which includes representatives of most sectors, ages and professions within the Organization, enabling the athletes to meet other CERN people from outside their habitual sphere of work, but it also fosters a sense of pride in representing CERN. It builds strong team spirit, giving an incentive to train and the motivation not to let down the other members of the team. Team sport also plays a crucial role in reducing stress levels. Furthermore, the links and connections made with our European counterparts are invaluable and, in some cases, we realised that not only were we meeting on the sports field, but some members of the opposing teams also collaborate with CERN.

All of the CERN athletes would like to thank both the Staff Association and the CERN Management for their unfailing support of the sportsmen and sportswomen who compete in the Atomiade events, and to extend an invitation to anyone who might like to participate in the next edition to contact cern.clubs@cern.ch. More details, photos and videos of the event can be found in the Staff Association's *Echo*.

Rachel Bray

COMPUTER SECURITY: DEAR SUMMER STUDENTS

Welcome to CERN! For the next couple of weeks, you will be able to breathe in the free academic world of CERN

Welcome to CERN! For the next couple of weeks, you will be able to breathe in the free academic world of CERN. You will have the chance to learn thanks to in-depth lectures, enjoy the freedom of exploring your preferred or assigned research topic, and form your own network of peers during your evening hours. However, “academic freedom” does not imply that there are no boundaries. At CERN, academic freedom also comes with responsibility. Below are some hints on how best to assume that responsibility securely.

You are the primary person responsible for the security of your laptop, smartphone and computer; for your account and your password; for your data; and for the programs, computing systems and services you are developing, so stop and think before acting. If you are working on a project developing code, get the appropriate training first so that your software is “free” of bugs and vulnerabilities that may spoil the functionality of your code and your program. If you have been asked to set up a database or a webserver, consider the offerings of CERN's IT department first*: they provide virtual machines, Dropbox-like functionality, databases-on-demand as well as different web publishing frameworks for free. No need to mess around with hardware, operating systems, web servers and the like – simply create your webpages! Also note that employing external services (i.e. web services outside CERN) is not recommended from a computer security perspective. If you are in doubt or need help designing and structuring the computing part of your project, get in touch with the IT consultants. For those of you who are engaged in mathematical simulations, engineering tasks or designing control systems: CERN provides a portfolio of engineering applications for free. There is no need to download additional software from the Internet. If you do need to, contact Software.Licences@cern.ch first as that software might come with license costs or may violate copyrights of third parties.

Talking about rules and copyright violation... Although listening to music or watching videos is subject to the agreement between you and your supervisor, note that sharing videos, music or software packages via torrents or other means usually violates copyrights of third parties and hence is not permitted. CERN regularly gets complaints from those companies and if you are not ready to pay their infringement fees, you'd better make sure now that you legitimately own that video/music/software, and that any sharing applications (e.g. Bittorrent) are disabled. You must also comply with CERN's Code of Conduct and the CERN Computing Rules. The latter stipulates that the personal use of CERN's computing infrastructure is tolerated as long as impact is kept minimal and all activity is legal, not offensive and not of commercial nature. And gentlemen, ladies: the browsing of porn sites is considered inappropriate. If you want to spare yourself an embarrassing conversation with us, just don't do it.

Finally, think of your laptop and PC here at CERN and at home: make sure that it is happy and healthy. Allow it to update itself by enabling “Windows Update”, Mac “Software Update” or Linux's “yum autoupdate”, and get decent free anti-virus software for your Windows computer or Mac! Take care when browsing the web – not everything is as it seems, and a bad infection of your computer might require a full reinstallation. So, if in doubt, STOP - THINK - DON'T CLICK. Good luck, and have a fun summer!!!

Do you want to learn more about computer security incidents and issues at CERN? Follow our Monthly Report. For further information, questions or help, check our website or contact us at Computer.Security@cern.ch.

**The full catalogue is available here (http://information-technology.web.cern.ch/services?qt-services=2#qt-services).*

The Computer Security Team

Official communications

INDIVIDUAL BREAKDOWN OF PENSION RIGHTS

Each year, the Pension Fund sends your individual breakdown of pension rights via email.

Please note that this breakdown will be sent to you annually in July.

Benefits Service

CERN Pension Fund

JOINT ADVISORY APPEALS BOARD

The Joint Advisory Appeals Board has examined 14 internal appeals, lodged by staff members, against the decisions taken by Council in 2015 as a result of the five-yearly review of financial and social conditions.

These appeals challenged the decision to modify the career structure and salary grid and the corresponding individual notifications. In addition, two out of the 14 appeals challenged the decision not to increase the level of salaries in January 2016. Finally, one of the appeals also challenged the decision to qualify the staff member's performance as “fair” for the reference year 2016.

In application of Article R VI 1.18 of the Staff Regulations, for those appellants who have not objected to the report of the Board and the final decision of the Director-General being brought to the attention of the members of the personnel, these documents will be available from 2 to 16 July 2018 via the following link: http://cds.cern.ch/record/2314851

HR department

ELECTIONS TO THE MUTUAL AID FUND

Every two years, according to Article 6 of the Regulations of the Mutual Aid Fund, the Committee of the Mutual Aid Fund must renew one third of its membership. This year three members are outgoing. Of these three, one will stand again and two will not.

Candidates should be ready to give approximately two hours a month during working time to the Fund whose aim is to assist colleagues in financial difficulties.

We invite applications from CERN Staff who wish to stand for election as a member of the CERN Mutual Aid Fund to send in their application before 30 July 2018, by email to the Fund's President, Connie Potter (connie.potter@cern.ch).

Announcements

NEWS FROM THE MOBILITY CENTRE

The SMB department is in charge of providing mobility services for the CERN community. This covers buses, shuttles, cars and bicycles.

A new pricing policy agreed on by the department heads will be implemented as of 1 July 2018, in order to:

- Ensure long-term **sustainability**, with revenue from the car rental activity financing the bicycle services, the buses and shuttles beyond the existing offer, petrol, and the overheads relating to running the Mobility Centre and workshop
- Use the CERN car fleet **more efficiently** (more kilometres driven per car means fewer cars and more parking spaces)
- **Reduce our carbon footprint** (by encouraging the use of bus and bicycle services)
- Offer a very **competitive service** to CERN and its users (providing an alternative to external car rental companies by offering a similar service at a much lower price

This change will occur in two phases:

- 1 July 2018: new long-term rental prices and a drop in short-term rental prices to lower fixed prices
- 1 September 2018: short-term rental prices further dropped, based on the rental period (awaiting implementation)

New rental rates sheet for CERN vehicles available here (*https://smb-dep.web.cern.ch/sites/smb-dep.web.cern.ch/files/documents/Mobility/CERN_vehicles_rental_price.pdf*)

The current EDH "Car Rental Request" form will be redirected to the new car rental request form. When a car rental request is submitted, the Mobility Centre will, if possible, provide a CERN car rather than an external car, in order to make better use of CERN's resources. If a CERN car cannot be provided, the request will be forwarded to an external car rental provider (HERTZ, as of 1 July).

As far as the regular shuttle services are concerned, the connection between Meyrin and Prévessin will be improved as of 2 July, when an additional circuit (Circuit 5) will come into operation (see timetable (*http://smb-dep.web.cern.ch/sites/smb-dep.web.cern.ch/files/documents/Shuttle/L5-Prevessin.pdf*)).

This is only the beginning, as we are in the process of reviewing the regular shuttle lines in order to best meet your expectations and requirements. This work is being undertaken in collaboration with the CERN Mobility working group.

The Mobility Centre (SMB-SIS)

17-18 JULY: PARTIAL CLOSURE OF ROUTE EINSTEIN

Please take note that, due to handling operations of 3 emergency generators, the Route Einstein will be partially closed from 17 to 18 July.

A detour will be set up via Route Démocrite from Entrance B.

Thank you for your understanding.

EN-EL group

HELP PROMOTE CERN AND INNOVATION AT PARC LA GRANGE

The City of Geneva will celebrate the National Day at Parc La Grange on the theme *Tradition and Innovation*, with CERN and the City of Biel as guests of honor.

With a program featuring physics experiments, virtual reality headsets, "Fun with Physics" shows, film screenings, robotics and programming workshops – the public of all ages will have an opportunity to discover CERN's activities in a fun and accessible way.

Do you want to represent CERN at this event? Become a volunteer by completing this Doodle !

You do not need to be a scientist. The ideal profile is someone from CERN with a good dose of pedagogy and enthusiasm.

Good to know

•Wednesday 1 August 2018 from 12:30 to 21:00, split into two shifts.

•Any presence on the stand will be rewarded.

•French is a must in view of the local community expected at the event.

•English or any other language is definitely a plus.

Come participate in this cool summer event and become a CERN ambassador! Become a volunteer!

9-27 JULY: ROAD WORKS ON ROUTE FEYNMAN

There will be road works on Route Feynman from 9 July (Monday) at 8:00 until 27 July (Friday) at 17:30. The road will be one way from Switzerland to France. A detour will be set up via Route Fermi from Entrance E.

This road closure may cause delays on circuit 1 of the shuttle service.

Thank you for your understanding.

SMB Department

PRIVATE PARTIES IN RESTAURANT 1 – NEW TERMS AND CONDITIONS

As from 1 July 2018, only **authorised** private parties can take place in Restaurant no.1. The authorisation has to be sought, at least 48 hours in advance, through CERN Service Portal: Authorisation request to organise a drink in the Restaurant 1 extension.

The terms and conditions are the following:

- Operational Circular No.08 Dealing with alcohol-related problems shall be observed.
- Private events shall not disturb activities of the Organization in any respect. Any noisy disturbance has to be avoided after 22:00.
- The party organiser bears the responsibility for the event and for security reasons, shall be on site for the duration of the event.
- All participants have to observe CERN Code of Conduct in every respect.
- The party shall be stopped at the latest at 23:30 (except for Saturdays and Sundays 21:30)
- The furniture (tables, chairs, etc.) shall not be moved; any damages shall be borne by the organiser
- Immediately after the event, the cutlery, plates and glasses shall be cleared and put back at the right place. The tables and the place in general shall be cleaned properly. The waste shall be put in the appropriate bins. Glass bottles shall be removed, no glass recycling being available at the restaurants. Any additional cleaning to be provided by the restaurant staff will be charged to the organiser.

GATES A AND C RETURNED TO REGULAR OPENING HOURS

We would like to inform you that gates A and C have returned to their regular opening hours of 07:00 to 19:00, following the conclusion of works at the *Esplanade des Particules*. Gate E will remain open until 20:00 until further notice.

SMB Department

CERN SUMMER STUDENT WEBFEST: WEEKEND OF SCIENCE & CREATIVITY

Are you passionate about science? Do you like communicating that passion to the general public? Then come along to the 2018 CERN Summer Student Webfest on the weekend of 27 to 29 July! The event is a grassroots initiative, open to all summer students, staff and users. It aims to spark new ideas and innovation for the future of web-based education about CERN, the LHC and particle physics, as well as in humanitarian aid, development and health.

The CERN Summer Student Webfest is a weekend of online web-based creativity, modelled on the gatherings (sometimes called hackfests or hackathons) that energise many open-source communities. You can work with like-minded students and CERN staff to design and build demos of the web apps you would like to see online. Prizes will be awarded to the best projects.

Participants in the CERN Summer Student Webfest will work in teams to design applications that encourage the public to learn more about science and, in particular, CERN's work. Projects can range from designing online games for kids to creating citizen-science projects and developing low-cost mobile-phone-based cosmic ray detectors. Examples of past projects can be found on the Webfest website.

Although primarily targeted at CERN and CERN openlab summer students, the event is open to people of all ages at CERN with a passion for web-based science outreach and education. You do not have to be a software or hardware expert to contribute: many types of skill sets are needed, from writing and designing to physics and engineering.

So, come along for the weekend and create, innovate, and educate about science on the web!

Kick-off
Project ideas will be presented at a kick-off event on Friday, 27 July, from 4.00 p.m. to 6.00 p.m. Participants will organise themselves into teams to work on the most exciting pitches. The kick-off event will also introduce a range of tools for web development, creating online educational tools and contributing to science online.

Submitting your ideas
Anyone participating can pitch a project; pitches consist of short (less-than-five-minute) presentations. Participants are encouraged to submit their project ideas via a tool on the Webfest website in advance, for the best chance of forming a well-defined team.

Where will the participants work?
Teams will work on their Webfest projects primarily in CERN Restaurant 1. As the location is an open-space environment, there will be plenty of opportunity for interaction, both between participants and with the various technical experts taking part in the event. CERN openlab will provide meal tickets for participants.

Presentations and winners
The event will wrap up on Sunday, 29 July at 4.00 p.m., with a judging panel reviewing the results (based on five-minute 'lightning talk' presentations by the teams) and awarding prizes.

Many thanks to our sponsors and organisers...
The event is organised by CERN openlab. Our event partners also include Citizen Cyberscience Centre, crowdAI, Citizen Cyberlab project, and the Port.

Ioanna Katsina Dimoula

REDUCTION OF THE SPEED LIMIT FROM 90 TO 80 KM/H IN FRANCE

The French Ministry for Europe and Foreign Affairs has asked CERN to draw the attention of the members of personnel to the decree that reduces the maximum speed limit from 90 km/h to 80 km/h on all two-way single carriageway roads with no central reservation, which comes into force on 1 July 2018.
There are three reasons behind it:
- speed is the leading cause of fatal accidents in France,
- most fatal accidents occur on two-way roads with no central reservation,
- speed affects driving both from the point of view of stopping distances and the field of vision (the higher the speed, the narrower the field of vision).

Host States Relations Service

BLOOD DONATION | 17-18 JULY | RESTAURANT 2

YOUR PERSONAL RUBBISH IS NOT CERN'S RESPONSIBILITY

For some time now, CERN's waste management service has been aware that more and more bags of personal household rubbish are being dumped in CERN's waste containers.

It goes without saying that CERN's waste containers, for both general waste and paper/cardboard, are intended **solely** for the collection of waste produced within the Organization.

So please do not dispose of your personal household rubbish in CERN's waste containers.

As well as having financial consequences for the Organization, this could damage CERN's reputation and affect our relationship with the local authorities, which might lead them to reconsider the agreements that make our optimal waste management service possible.

SMB Department

Obituaries

JOSÉ MANUEL GOMES DE FARIA (1966-2018)

José Manuel Gomes De Faria – "Manu" to his colleagues and friends – passed away after having devoted his professional life to CERN, where he relentlessly deployed his expertise and ingenuity, showing a huge passion for challenges.

José Manuel started his career at CERN in 1988 as a lifting equipment mechanic. In 1997, he joined the team responsible for the maintenance and upgrade of the magnets in the PS complex. In that team, as a master mechanic, he became involved with work to overcome the technical challenges posed by the magnets and took on team leader responsibilities. In 2001, he was awarded a staff contract in the Normal Conducting Magnets group, where he worked on improving maintenance techniques.

One achievement in particular illustrates Manu's contribution: the construction between 2008 and 2010 of a prototype superferric magnet, a candidate to replace the magnets in the PS. This prototype performed remarkably well thanks to the technical solutions developed by José Manuel during the design and construction processes.

In the last few years, José Manuel devoted himself to the design and construction of a number of exhibition models, which were real technological gems. These "mock-ups" – cross-sections of the superconducting magnets and interconnections in the LHC, as well as a model of the space shuttle with a magnetic screen – are seen and admired by the tens of thousands of visitors to the Microcosm each year.

José Manuel's colleagues and friends are deeply saddened by his passing and will remember him as a passionate and determined colleague. The legacy of his intelligence and skill will live on in the creative and educational achievements he leaves behind. We will remember a devoted family man and a passionate skier, but also someone who was fully committed to the success of CERN's activities.

His colleagues and friends

We deeply regret to announce the death of José Manuel Gomes de Faria on 24 June 2018.

José Manuel Gomes de Faria, who was born on 1 May 1966, worked in the TE department and had been at CERN since 18 April 1988.

The Director-General has sent a message of condolence to his family on behalf of the CERN personnel.

Social Affairs

Human Resources department

BARBARA STRASSER (1954-2018)

We deeply regret to announce the death of Barbara Strasser on 6 July 2018.

Barbara Strasser, who was born on 10 December 1954, worked in the ATS Sector and had been at CERN since 1 December 1978.

The Director-General has sent a message of condolence to his family on behalf of the CERN personnel.

Social Affairs
Human Resources department

Ombud's corner

RESPECT: A RENEWABLE RESOURCE

It is a truth universally acknowledged that respectful behaviour has beneficial effects within organisations; in practice, however, it's sometimes difficult to make it the norm. All members of the personnel, whatever their hierarchical level or status, expect to be treated with respect in all aspects of life, and particularly when it comes to their work. It's no secret that employees who work in a respectful environment are more cheerful, loyal, successful, cooperative and creative than those who have to deal with rudeness or bullying all day.

What makes an organisation respectful? In a respectful organisation, all supervisors, from the Director-General down, respect their employees, whom they see as essential contributors to the company's success, rather than as a cost. Managers know it's in their interest to develop their team members' skills and offer them new opportunities. When they talk about them outside the organisation, they emphasise their skills, commitment and professionalism. When it comes from the very top of the hierarchy, a culture of respect filters down through the whole organisation.

"Once, when I was in a meeting with some users and my group leader, she let me take the floor without interrupting. It showed that she respected me and trusted me to sort out the problem we were facing. In our group, everyone's treated with respect: we recognise each other's merits and listen to each other."

How is a culture of respect created?

As is so often the case, there's no need for grand theories or corporate policies to create a respectful environment. The most important thing is that the example comes from the top. The imitation effect, well known in the world of work, will do the rest. General respect is, first and foremost, a question of behaviour and awareness on a daily basis. It starts with welcoming your colleagues with a greeting in the morning. Team leaders can delegate certain important tasks, make themselves available to their team, keep a keen eye on their progress and speak positively about them in public. Good work is acknowledged during regular meetings between the supervisor and the members of his or her team, on both a formal and an informal basis. The most important thing is to be honest at all times: false compliments are quickly detected and undermine people's confidence. Sincere, indisputable respect is the driving force behind real motivation!

The good news is that respect is a renewable resource: there's no need to take it away from one person to give it to someone else!

Pierre Gildemyn

If you'd like to comment on any of my articles or suggest a topic that I could write about, please don't hesitate to e-mail me at Ombuds@cern.ch .