INTERNATIONAL PASCAL CONGRESS

June, 22nd–26th, 2026, Salamanca

www.pascalcongress.com

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Scope

- The International Pascal Congress (IPC) is an international forum dedicated to bringing together the different players in the software industry whose technologies are based on the Pascal family of programming languages. The IPC 2026 will be held from 22 to 26 June 2026, hosted by the University of Salamanca in Spain, and it will be a stunning and forward-looking reflection on the Pascal family of languages in the software industry.

- Since its inception, the Pascal programming language has been widely adopted in the business and academic computing worlds, giving rise to an entire family of programming languages. The most important of these languages today is Object Pascal, which is used by worldwide both large and small software development companies to create applications for all platforms and operating systems.

- The Pascal programming language was created by Professor Niklaus Wirth in 1970. Professor Wirth designed it to be a small, efficient language intended to encourage good programming practices using structured programming and data structuring. The language's name was chosen in honour of the French mathematician, philosopher and physicist Blaise Pascal.

- Currently the Pascal community is mainly concentrated around two development tools: Delphi, a commercial tool, and Lazarus, a free software project. Both tools are used around the world in free, commercial and academic projects. However, Delphi and Lazarus are merely the visible face of a much larger ecosystem of companies that supply components for these platforms and libraries being developed in open-source projects that extend the capabilities of these two development environments. Moreover, Delphi and Lazarus are not the only tools that use the Pascal language to create computer programs – there are others that use the language to create video games or to program the control of industrial processes.

- The IPC aims to bring together software developers, software industry companies, researchers and Pascal family language enthusiasts in a forum to allow the Pascal community to update their knowledge, create synergies and discuss the future of the Pascal community.

What is the IPC 2026?

- IPC 2026 will be the world's largest and most influential event on Pascal technologies. Internationally recognized speakers will attend to share their knowledge with the event's attendees.

- IPC 2026 is a forum for software companies to showcase new Pascal-related technologies for the development of tomorrow's applications.

- IPC 2026 is where pioneers, decision-makers and industry giants can come together to showcase innovative products, demonstrate new technologies and share inspiring thought leadership.

- IPC 2026 is the perfect opportunity to network with all the technology players in the Pascal world and accelerate a product, business, or idea. Companies, foundations, and independent developers will attend, as well as researchers, students, and computer science enthusiasts, so all together we can illuminate the potential of our digital world.

Organization

The event's organizing committee is composed of

- Dr. Sergio Miguel Tomé (director)
- Dr. Ángel Luis Sánchez (coordinator)

The IPC Academic Committee is composed of

- Prof. Juan Manuel Corchado Rodríguez
- Prof. María Navelonga Moreno García
- Dra. Sara Rodríguez González
- Dr. José Antonio Castellanos Garzón
- Dr. José Rafael García-Bermejo Giner

Activities

IPC 2026 will offer a variety of activities with the objectives of updating and enhancing attendees' knowledge of programming and providing an encouraging environment to empower the Pascal community. The goal is to foster the development of new ideas and technological collaborations among the community members. IPC 2026 activities include the following:

- Plenary sessions
- Advanced programming courses
- Niklaus Wirth Award
- Scientific presentations
- Presentations on commercial technologies
- Presentations on open-source projects
- Presentations on software factory technologies
- Gala dinners and social meetings

Each attendee will receive 30 hours of professional education activities, distributed as 6 hours per day for each of the 5 conference days.

Locations

Faculty of Sciences/ Facultad de Ciencias

Unicaja Theater/ Teatro Unicaja

Faculty of Translation and interpretation/ Facultad de Traducción e Interpretació

Historical Building/ Edificio histórico

Hospedería Fonseca

Irish Theather

Plaza Mayor

Colegio Mayor Fray Luis de León (Universitary Restaurant)

Niklaus Wirth Awards Ceremony

The International Pascal Congress considers it essential to implement measures to promote the development of Pascal and technologies based on this language within the computer science field. Among these actions is the creation of awards to stimulate and strengthen the Pascal community. The IPC will grant two awards named after Niklaus Wirth, a pioneer in the creation of programming languages. In 1984, he received the Turing Award for his work on the development of programming languages.

NWA for the Most Valuable Contributor

This award is intended to recognise individuals who have made a significant contribution to improving, developing and strengthening the community of software developers using Pascal in any of its variants for software creation.

Winner: Dr. Cary Jensen

Cary Jensen is Chief Technology Officer of Jensen Data Systems, Inc. Since 1988 he has built and deployed database applications in a wide range of industries. Dr. Jensen is an Embarcadero MVP, a Spirit of Delphi recipient, and a best-selling author of more than 30 books on computer software (including Delphi in Depth: FireDAC) and more than 100 magazine articles. He is a popular speaker at Delphi conferences and workshops around the world, was the author of, and principal speaker, on the original 1995 Delphi World Tour, and is the co-founder of Delphi Developer Days, one of the many multi-day seminar series that he has written and taught. He holds a Ph.D. in Engineering Psychology, specializing in human-computer interaction. In addition, Dr. Jensen is an Adjunct Professor in the Human/Computer Interaction group in the Department of Psychological Sciences at Rice University, one of the United States' leading research institutions

Niklaus Wirth Award Lecture I

Title: "My Pascal Journey: From Student to Educator "

Summary: My professional career began almost 40 years ago, and during that time, I have experienced the amazing rise of computing power and computer access. My first programming experiences involved punch cards, which we "punched" using a machine the size of your office desk. We called this "batch programming." Next came my first exposure to programming using a dumb terminal (did you ever use one of those?), which involved, you guessed it, Pascal, back in 1979. In the many years that followed, I earned a Ph.D. in a nascent discipline called Human Factors Psychology, from which the focus on Human/Computer Interaction evolved. From the time of my college days, until today, I have witnessed an unimaginable growth of computing power and an evolution in software development, which involved, once again, Pascal. In this presentation, I will share my personal experiences and observations from this amazing journey, which included my early interactions with the developers at Borland, my writing the course book for, and presenting, the first Delphi World Tour in 1995 (and many more seminar series following that), as well as my many books, magazine articles, and conference presentations. I will also share my passion for sharing my knowledge of system design and ground up software development.

NWA for the Most Valuable Pascal Library

This award recognises the authors of open libraries that are valued by the community of software developers who use programming languages from the Pascal family to create software.

Winner: mORMot 2- Arnaud Bouchez

Arnaud Bouchez is the original author and maintainer of the mORMot framework since 2010. He has designed it from the ground up to bring enterprise-grade SOA, ORM, and high-performance server programming to the Pascal world. Arnaud regularly speaks at Pascal conferences, is an Embarcadero MVP, and helps thousands of developers worldwide build robust back-ends with mORMot. He lives with the marmots in the French Pyrenees, and works as senior developer at the French Tranquil IT company.

Niklaus Wirth Award Lecture II

Title: “mORMot 2 as a Cross-Compiler Toolbox for Modern Pascal “

Summary: Among modern pascal libraries, mORMot tries to unify both Delphi and FPC into a single runtime library. As a library, it is a good showcase of the dual aspect of the pascal language itself: a very efficient close-to-the-metal "system language" for the core part (manual memory management, raw data structures at assembly level), and an easy to use "high-level language" with the most modern abstractions for the end-user part (interfaces, generics, RTTI, IoC). We will present and discuss the journey and the future of our Open Source library, especially the full rewrite of the mORMot 2 codebase.

Research Meeting

- Free Pascal in Comparison: An Investigation of Factors Influencing Code Execution Performance?

  Author: Uwe Schächterle

  Abstract: Performance comparisons of programming languages and compilers are often reduced to raw execution speed, overlooking the complex interplay between hardware, operating systems, compiler behaviour, and software design decisions. This work presents a systematic investigation of factors influencing the execution performance of Free Pascal (FPC) applications, with a particular focus on measurement methodology, compiler optimizations, data layout, and algorithmic strategies. The approaches and lessons discussed here are broadly applicable and can be extended to performance analysis in other programming languages.

- Title: A 3-Axis Helmholtz Coil Platform Built in Object Pascal for Hardware-in-the-Loop & ADCS Education.

  Author: Dr. Eduardo Balvis

  Abstract: We present a low-cost hardware-in-the-loop (HIL) testbed that brings satellite attitude control (ADCS) into the classroom that has been built entirely in Object Pascal. Three apps close the loop around a 3-axis Helmholtz cage: HelmMagControl (Delphi) drives the coils over Modbus; HelmCalib (Lazarus/FPC + Delphi) calibrates the field model B = M·I + b and programs target fields with a hand-drawn 3D view; and SensorCast (Delphi/FMX) streams a phone's magnetometer over UDP. The same numeric calculations run on both Delphi and Lazarus/FPC, with no external libraries.

- Harnessing High-Performance Computing Libraries in Delphi
  Authors: Eduardo Meca, Jesús Cámara, Manuel E. Acacio and Javier Cuenca

  Abstract: This work contributes to demonstrating that Delphi can evolve beyond its traditional application areas to meet current HPC demands without losing its strengths in terms of productivity and ease of development. To achieve this goal, a computation offloading mechanism is used to transparently delegate compute-intensive kernels to optimized C/C++ libraries via Dynamic-Link Libraries (DLLs). This design provides both abstraction and flexibility, as it allows Delphi developers to integrate high-performance capabilities without being exposed to low-level interoperability details while retaining the ability to change or upgrade the C/C++ backend seamlessly for Delphi code.

Monday, 22nd June 2026 (1/2)

- 09:40 Welcome - Registration
  Location: Faculty of Sciences / Facultad de Ciencias
  Room: Assembly Hall / Salón de Actos

- 10:00 – 11:00 **Technical Session I**: **VCL and the Windows SDKs**
  Location: Facultad de Ciencias
  Room: Aula Magna I
  Instructor: Marco Cantù

- 11:05 – 12:05 Course: **Designing databases with Delphi.**
  Location: Faculty of Sciences / Facultad de Ciencias
  Room: Magna I
  Instructor: Olaf Monien

- 11:05 – 12:05 Course: **Building and Deploying Modern Web Apps with Delphi.**
  Location: Faculty of Sciences / Facultad de Ciencias
  Room: D1
  Instructor: Antonio Zapater

- 11:05 – 12:05 Course: **Road to Lazarus 5.0: The GTK3 Widgetset on Linux.**
  Location: Faculty of Sciences / Facultad de Ciencias
  Room: SUN
  Instructor: Željan Rikalo

  BREAK - (the faculty cafeteria is cheap, prices below)

- 12:30 - 13:30 Course: **Service Oriented Architecture and Object Relation Mapping in Pascal and mORMot.**
  Location: Faculty of Sciences / Facultad de Ciencias
  Room: SUN
  Instructor: Arnaud Bouchez

- 12:30 - 13:30 Course: **Learning to perform cryptography using the DEC library.**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: D1
  Instructor: Markus Humm

- 13:35 - 14:35 Professional Development with Delphi: From the IDE to Cross-Platform Deployment (spanish)
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: SUN
  Instructor: Emilio Pérez

- 13:35 - 14:35 **TALK:** Technical Session II: OpenSSL in Free Pascal and Lazarus
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: Graduation Hall / Aula de Grados
  Instructor: Željan Rikalo

Monday, 22nd June 2026 (2/2)

- 17:30 am- 20:10 pm ***Niklaus Wirth Awards Ceremony***

  Location: Unicaja Theater / Teatro Unicaja

  Ceremony Participants:

  - **Dr. Guillermo Hernández González**
    Vice Dean of the Faculty of Sciences at the University of Salamanca
  - **Fernando Suárez Lorenzo**
    President of the General Council of Colleges of Computer Engineering
  - **Dr. Sergio Miguel Tomé**
    Chairman of the International Pascal Congress 2026
  - **Marco Cantù**
    Delphi Product Manager at Embarcadero Technologies
  - **Antonio Zapater**
    Pre-sales consultant engineer at Embarcadero inc

  - 18:00 am- 18:50 pm ***Niklaus Wirth Award Lecture I***
    - Keynote speaker: Dr. Cary Jensen
    - Title: "My *Pascal Journey: From Student to Educator* "

  - 19:00 pm -20:00 pm ***Niklaus Wirth Award Lecture II***
    - Keynote speaker: Arnaud Bouchez
    - Title: " *mORMot 2 as a Cross-Compiler Toolbox for Modern Pascal* "

  More info in Section Niklaus Wirth Awards.

- 21:15 **Gala Dinner**
  Location: Hospedería Fonseca
  Price: 30 euros
  Note: Please book it, bringing the exact amount in cash.

Tuesday, 23th June (1/2)

- 10:00 – 11:00 Course: **HMI/SCADA from Scratch with Delphi and Lazarus.**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: Magna I
  Instructor: Dr. Eduardo Balvis Outeiriño
- 11:05 – 12:05 Course: **Designing databases with Delphi.**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: Magna I
  Instructor: Olaf Monien

- 11:05 – 12:05 Course: **Building and Deploying Modern Web Apps with Delphi.**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: D1
  Instructor: Antonio Zapater

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  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: SUN
  Instructor: Željan Rikalo

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  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: D1
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- 12:30 - 13:30 Course: **Learning to perform cryptography using the DEC library.**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: SUN
  Instructor: Markus Humm

- 13:35 - 14:35 Professional Development with Delphi: From the IDE to Cross-Platform Deployment (spanish)
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: SUN
  Instructor: Emilio

- 13:35 - 14:35 **Scientific Presentations**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: Graduation Hall / Aula de Grados
  Chair: Dr. Sergio Miguel Tomé Co-Chair: Dr. Jose Antonio Castellanos

Tuesday, 23rd June 2026 (2/2)

- 16:20pm -17:20pm **Technical Session** III
  Location: Facultad de Traducción e Interpretación/ Faculty of Translation and Interpretation
  Room: Salón de Actos/ Assembly Hall
  Instructor: Cary Jensen
  Title: "Leveraging the Object in Object Pascal: Implementing a Manageable Architecture in Delphi"
  Summary: Using a combination of inheritance, interposer classes, and interfaces, you can implement an architecture that greatly improves your ability to easily make changes across a wide range of forms and components. This presentation begins by showing you how to create TForm descendants that make future changes easy. It then continues by discussing how to create custom TComponent descendants that permit you to easily update the appearance and behavior of your software across a wide range of implementations with the addition of a small amount of code.

- 17:30 am -18:30 pm **Plenary Talk I**

  Location: Facultad de Traducción e Interpretación/ Faculty of Translation and Interpretation

  Room: Salón de Actos/ Assembly Hall

  Keynote speaker: Dr. Javier Cuenca Muñoz

  Title: " Pascal and Supercomputing: A plausible marriage today?"

  Summary: High Performance Computing (HPC) has emerged as a fundamental pillar for scientific advancement and global economic competitiveness, transforming research methodologies across diverse domains including academic research, aerospace industry, pharmaceuticals, and financial services. This evolution has been driven by the proliferation of multi-core processors, specialized architectures, and accelerators such as Graphics Processing Units (GPUs), which collectively enable unprecedented computational capabilities. The work described in this talk aims to evaluate and extend HPC support in Delphi-Pascal, providing a methodology that facilitate access to these techniques by developers with different levels of experience in this field.

- 18:40 am -19:40 pm **Plenary Talk II**

  Location: Facultad de Traducción e Interpretación/ Faculty of Translation and Interpretation

  Room: Salón de Actos/ Assembly Hall

  Keynote speaker: Marco Cantù

  Title: " Delphi? Silently Successful!"

  Summary: This pleanary talk will cover what has made Delphi such a successful language and tool over time analyzing some of its distinctive foundations, how Delphi is impacting the industry (even if not very visibly) touching on some great use cases, what Embarcadero has been doing recently to move the product in the right directions (Arm, Web development with Web Stencils, FMX enhancements, VCL continuous development...), and how AI is impacting the industry in general and the Delphi ecosystem in particular.

- 20:00 Guided Tour courtesy of the Salamanca City Council

Wednesday 24th , June (1/2)

- 10:00 – 11:00 Course: **HMI/SCADA from Scratch with Delphi and Lazarus.**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: Magna I
  Instructor: Dr. Eduardo Balvis Outeiriño

- 11:05 – 12:05 Course: **Service Oriented Architecture and Object Relation Mapping in Pascal and mORMot.**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: D1
  Instructor: Arnaud Bouchez

- 11:05 – 12:05 Course: **Learning to perform cryptography using the DEC library.**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: SUN
  Instructor: Markus Humm

  BREAK (the faculty cafeteria is cheap, prices below)

- 12:35 - 13:35 Professional Development with Delphi: From the IDE to Cross-Platform Deployment (spanish)
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: SUN
  Instructor: Emilio

- 12:35 - 13:35 Maker AI Meeting (Delphi & Lazarus)
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: Aula de Grados / Graduation Hall
  Chairman: Gustavo

Wednesday 24th , June (2/3)

- 16:20pm -17:20pm **Technical Session** III

  Title : **What is Design by Contract and what can it do for me?**

  Location: Facultad de Traducción e Interpretación/ Faculty of Translation and Interpretation
  Room: Salón de Actos/ Assembly Hall
  Instructor: Bertrand Meyer
  Summary: Most software today is written without any built-in guarantee of correctness. Such a situation is dangerous, even more so with the advent of AI-based vibe coding, which holds the promise of generating bugs faster than any technology previously known to mankind. One approach to increasing the programmer's trust in the software he produces is Design by Contract, a discipline of correctness-by-construction closely connected to the principles of object-oriented programming, structured programming and abstract data types, with roots in the work of Dijkstra, Hoare and Wirth. The Design by Contract (DbC) principles encompass the entire software lifecycle, with applications to requirements, design, implementation, maintenance and verification/validation, as well as supporting software documentation and project management. They also make it possible to understand the full meaning of such important programming language mechanisms as inheritance (single and multiple) and exception handling.
  This tutorial presentation will introduce the key DbC concepts (the use of mechanisms such as preconditions, postconditions, class invariants, loop invariants and loop variants) and cover their principal applications. It will rely on Eiffel, the "mother tongue" of Design by Contract, but will also hint at usage in other environments such as Object Pascal.

- 17:35 am -18:35 am **Plenary Talk III**

  Location: Facultad de Traducción e Interpretación/ Faculty of Translation and Interpretation

  Room: Salón de Actos/ Assembly Hall

  Keynote speaker: Olaf Monien

  Title: "Pascal and Databases: A Winning Combination "

  Summary: Modern Delphi development offers an exceptionally strong ecosystem for building database-driven applications. The talk highlights how the language, its type of system, and its component-based architecture provide a clean and maintainable way to access relational and non-relational data. Real-world examples demonstrate how FireDAC and Delphi's multi-tier technologies simplify robust, high-performance data access. We also explore how modern compiler features and cross-platform support make Delphi a competitive and efficient choice for today's data-intensive applications.

Wednesday 24th , June (3/3)

- 18:45 am -19:45 pm **Plenary Talk IV**

  Location: Facultad de Traducción e Interpretación/ Faculty of Translation and Interpretation

  Room: Salón de Actos/ Assembly Hall

  Keynote speaker: Arnaud Bouchez

  Title: " Using pascal interfaces for bi-directional mORMot services "

  Summary: Modern pascal language features the "interface" keyword to define an abstract set of methods and properties. From "interface" comes clean abstraction, up to the famous SOLID principles. The mORMot library can implement those calls using JSON over HTTP or HTTPS, to define a set of services. It is in fact the only RPC/REST library in any language to allow "interface" parameters as a client-to-server callbacks, transparently over WebSockets. In this session, we will show how convenient the "interface" language construct is convenient on both client and server side to define not only a local contract, e.g. for dependency injection or testing, but also a remote contract, for services or micro-services. In fact, the whole purpose of the mORMot Open Source library was to leverage modern pascal "interface" abstraction into modern clean micro-services architectures.

- 20:00 Having a drink.
  Location: Plaza Mayor

- 23:00 pm.- **Karaoke**
  Location: Irish Theather

Thursday 25th, June (1/2)

- 10:00 – 11:00 Course: **HMI/SCADA from Scratch with Delphi and Lazarus.**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: Magna I
  Instructor: Dr. Eduardo Balvis Outeiriño
- 11:05 – 12:05 Course: **Designing databases with Delphi.**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: Magna I
  Instructor: Olaf Monien

- 11:05 – 12:05 Course: **Building and Deploying Modern Web Apps with Delphi.**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: D1
  Instructor: Antonio Zapater

- 11:05 – 12:05 Course: **Road to Lazarus 5.0: The GTK3 Widgetset on Linux.**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: SUN
  Instructor: Željan Rikalo

  BREAK (the faculty cafeteria is cheap, prices below)

- 12:30 - 13:30 Course: **Service Oriented Architecture and Object Relation Mapping in Pascal and mORMot.**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: D1
  Instructor: Arnaud Bouchez

- 12:30 - 13:30 Course: **Learning to perform cryptography using the DEC library.**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: SUN
  Instructor: Markus Humm

- 13:35 - 14:35 Professional Development with Delphi: From the IDE to Cross-Platform Deployment (spanish)
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: SUN
  Instructor: Emilio

Thursday 25th, June (2/2)

- 16:20 am -17:20 am **Plenary Talk V**

  Location: Facultad de Traducción e Interpretación/ Faculty of Translation and Interpretation

  Room: Salón de Actos/ Assembly Hall

  Keynote speaker: Markus Humm

  Title: " Modern cryptography with Pascal"

  Summary: This plenary talk will focus on cryptography and why modern cryptography is more than just encrypting and decrypting data. Different aims of cryptographic methods are described along with some relevant algorithms. We will also compare a few of the available libraries for Pascal and shed some light on their properties. Further we'll take a short look at quantum computing and why this is relevant for cryptography.

- 17:25 am -18:30 pm **Round Table: The Developer of the Future**

  Panelists: Prof. Bertrand Meyer, Prof. Fernando de la Prieta, Antonio Zapater and Richard Hatherall

  Summary: This roundtable will explore how remote-first work models are reshaping software development and team dynamics. We will discuss whether the role of the programmer as we know it will continue to exist, and examine specialization vs. generalization, asking: Should developers choose front-end or back-end, or embrace full-stack? Finally, we will address the forward-looking question: What skills will be essential by 2030?

- 19:00 pm -20:00 pm **Plenary Talk VI**
  Title: " Wirth and Pascal: a personal perspective and recollection"

  Location: Historical Building / Edificio histórico

  Room: Francisco de Salinas

  Keynote speaker: **Prof. Bertrand Meyer**

  Summary: Throughout my work on programming methodology and programming languages I have studied, enjoyed and applied the insights of Niklaus Wirth's work. After taking up the succession of his chair at ETH Zurich in 2001 I had the privilege of befriending him and frequently interacting with him over the following two decades. In this talk I will reflect on the lessons of that interaction, both intellectual and personal, and try to draw a portrait of both Wirth the scientist and Klaus the man. The talk will focus on his contributions to the many fields of computer science in which he innovated. It will discuss them and assess their continued relevance to the evolution of the field.

- 20:00 **Having a drink.**

  Location: Plaza Mayor

Friday 7th, June (1/3)

- 10:15 am – 11:15 am **Technical Session IV**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: Salón de Actos/ Assembly Hall
  Keynote speaker: Michael Philippenko
  Title: " FastReport Embarcadero Edition: Reporting in Delphi Out of the Box "

  Summary: Many Delphi developers already have FastReport Embarcadero Edition included in their toolbox, but do not always use its full practical potential. In this session, I will show how to create a real report from a dataset using the edition that comes with Delphi and explain where it fits best in everyday development. The talk is focused on a simple, practical workflow and is intended as a useful starting point for developers who want to add reporting to their applications quickly and effectively.

- 11:20 – 12:20 Course: **HMI/SCADA from Scratch with Delphi and Lazarus.**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: Magna I
  Instructor: Dr. Eduardo Balvis Outeiriño

  BREAK (the faculty cafeteria is cheap, prices below)

- 12:35 – 13:35 Course: **Designing databases with Delphi.**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: Magna I
  Instructor: Olaf Monien

- 12:35 – 13:35 Course: **Building and Deploying Modern Web Apps with Delphi.**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: D1
  Instructor: Antonio Zapater

- 12:35 – 13:35 Course: **Road to Lazarus 5.0: The GTK3 Widgetset on Linux.**
  Location: Facultad de Ciencias/ Faculty of Sciences
  Room: SUN
  Instructor: Željan Rikalo

- 13:40am – 14:25am **Software Factory Talk II**
  Location: Facultad de Traducción e Interpretación/ Faculty of Translation and Interpretation
  Room: Salón de Actos/ Assembly Hall
  Keynote speaker: SUN
  Title: "RAD Studio IDE: Pro Tips & Hidden Gems"
  Summary: Ready to eliminate code debt and manual deployment friction? Dive into the hidden native features of the RAD Studio IDE and compiler. From dragging the execution pointer backwards in time to automating binary deployment, this session delivers practical tactics to instantly boost your daily development efficiency.

Friday 7th, June (2/3)

- 16:10-17:10 **Software Factory Talk III**

Location: Facultad de Traducción e Interpretación/ Faculty of Translation and Interpretation

Room: Salón de Actos/ Assembly Hall

Keynote speaker: Michael Philippenko

Title: " FastReport VCL 2026.2 Master Class”

Summary: Reporting, Validation, UI Editors and Beyond Summary: This master class will present the commercial FastReport VCL stack in action, with a focus on the most important additions in version 2026.2. The session will cover the new report validation system, advanced layout and designer improvements, image processing and export enhancements, as well as the broader FastReport ecosystem, including new UI editors, FastGrid, FastCube, and other related tools. The goal is to show how FastReport has evolved beyond classic report generation into a broader toolkit for building modern data-driven applications in Delphi and Lazarus.

- 17:15-18:00 **Software Factory Talk III**

Location: Facultad de Traducción e Interpretación/ Faculty of Translation and Interpretation

Room: Salón de Actos/ Assembly Hall

Keynote speaker: Richard Hatherall

Title: " Connecting Delphi to the Cloud: Building cloud SDKs without the trade-offs ”

Summary: I build cloud SDKs for Delphi. Under every one sits the HTTP layer, and Delphi hands you several ways to write it, each with a catch: sync or async, native or fully featured, one platform or the next. I didn't want to make that trade. I wanted all of it. This is the story of refusing to compromise on the foundation, the reusable core I never meant to write, and what it made possible.

- 18:05-18:35 **Software Factory Talk III**

Location: Facultad de Traducción e Interpretación/ Faculty of Translation and Interpretation

Room: Salón de Actos/ Assembly Hall

Keynote speaker: Olaf Monien

Title: " Reviewring **DelphiStandards**, **DX.Logger**, **DX.PDFium4D**, **DX.Toml**, and **DX.Comply** ”

Summary: The talk gives a practical overview of several libraries and tools that address recurring needs in modern Delphi development: coding standards, structured logging, PDF integration, TOML configuration handling, and compliance-oriented development support. The session will briefly introduce the motivation behind each project, show where it fits into real-world Delphi applications, and explain how developers can use or adapt the libraries in their own projects. Covered projects include DelphiStandards, DX.Logger, DX.PDFium4D, DX.Toml, and DX.Comply. Rather than being a deep dive into a single framework, this talk is intended as a compact tour through useful building blocks for professional Delphi development, with a focus on clean architecture, maintainability, interoperability, and practical day-to-day developer productivity.

Friday 7th, June (3/3)

- 18:45 am -19:45 pm **Plenary Talk VII**
  Title: " Native Pascal in Industry 4.0: Building the Definitive Bridge Between OT and IT"

  Location: Facultad de Traducción e Interpretación/ Faculty of Translation and Interpretation

  Room: Salón de Actos/ Assembly Hall

  Keynote speaker: Dr. Eduardo Balvis Outeiriño

  Summary: As the industrial world digitizes, the demand for robust, high-performance control software is skyrocketing. Pascal's philosophy is echoed in the industrial standard ST (Structured Text)—the "Pascal of PLCs"—proving its natural suitability for this task. This talk champions the Pascal ecosystem (Delphi/Lazarus) as the ideal platform for building custom HMI/SCADA solutions from scratch. We will explore architectures for implementing native communication with key protocols such as Modbus TCP, S7, and Ethernet/IP. In turn, we will see how to integrate this data with IIoT and enterprise platforms using MQTT and OPC UA. Discover why Pascal offers a competitive advantage in bridging the worlds of OT and IT with unmatched performance and control.

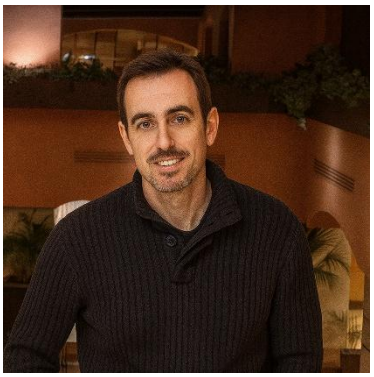
- 19:45-20:00 **Clousure Ceremony**

- 21:15 **Gala Dinner**
  Location: Hospedería Fonseca
  Price: 30 euros
  Note: Please book it, bringing the exact amount.

Plenary speakers and Instructors

Bertrand Meyer is Professor Emeritus at ETH Zurich and CTO of Eiffel Software. His awards include the ACM Software System Award, the IEEE Harlan Mills award, ACM and IFIP fellow, member of Academia Europaea and the French National Academy of Technologies, and two honorary doctorates. He was one of the pioneers in object technology through his introduction of the Design by Contract and other well-known software design concepts such as the Open-Closed Principle, and best-selling books such as Object-Oriented Software Construction. He has made important contributions to programming languages, through his design of the Eiffel language, agile methods, requirements engineering, formal methods, concurrent programming, and software project management.

Marco Cantù holds a master's degree in information technology from the Polytechnic of Milan, and he is the author of dozens of best-selling books on Delphi and its Object Pascal language. Marco was an independent consultant and developer for 20 years, focused primarily on Pascal and Delphi but also on C++ and JavaScript. Marco was a professional trainer and frequent conference speaker, and he is the author of countless articles on Delphi. Currently, he is the Delphi Product Manager at Embarcadero Technologies, a business unit of Idera, Inc.



Dr. Javier Cuenca received the Engineering and Doctoral degrees, both in Computer Science, from University of Murcia (UMU), Spain, in 1994 and 2004, respectively. Since June 2013, he has been the Principal Investigator of the Scientific Computing and Parallel Programming Research Group at UMU. In this Group, he has supervised three PhD theses and about thirty bachelor's and master's theses.

Dr. Eduardo Balvis Outeiriño obtained his PhD in Lasers, Photonics and Vision, and is an Industrial Engineer specializing in Automation and Electronics. He has more than 20 years of experience as CEO of a company dedicated to industrial automation. He is an associate professor at the University of Vigo and an expert in Pascal programming, SCADA system design and industrial communication protocols. He has led innovative projects in IoT and advanced automation, integrating solutions for Industry 4.0

Olaf Monien has been a long-standing Embarcadero MVP and serves as the coordinator for the German-speaking region. With over 25 years of experience in the IT industry, he is a recognized expert in software architecture and database design, holding a Master's degree in Computer Science with a minor in Business Studies. His extensive experience spans industrial, banking, SaaS, and medical/pharmaceutical sectors, providing him with a comprehensive perspective on IT consultancy.

Markus Humm has been Embarcadero MVP since 2024. He studied for a degree in commercial information technology. After finishing his studies, he worked on developing SAP applications until 2004 when he got a position in Ebm-papst Group in Research & Development electronics. In January 2016 he became involved with the Delphi Encryption Compendium project. In December 2020 he released version 6.0. Since then, he has been working on further bugfixes and has already added several new algorithms and improvements to DEC.

Arnaud Bouchez is the original author and maintainer of the mORMot framework since 2010. He has designed it from the ground up to bring enterprise-grade SOA, ORM, and high-performance server programming to the Pascal world. Arnaud regularly speaks at Pascal conferences, is an Embarcadero MVP, and helps thousands of developers worldwide build robust back-ends with mORMot. He lives with the marmots in the French Pyrenees, and works as senior developer at the French Tranquil IT company.

Antonio Zapater Pre-sales consultant engineer at Embarcadero inc. and certified Delphi developer. He co-owned a company for more than 15 years which develops ERP solutions for the retail sector using Delphi since version 7. Highly experienced with database modelling, legacy Delphi code migration, mobile development with FireMonkey, full-stack web development, API modelling, containerization as well as Linux services development using Delphi.

Emilio Perez, a technical engineer in computer management, works as a technology consultant and trainer. He has more than 20 years of experience in the software industry in both the training and development of commercial projects. He is also the founder and CEO of the company Abatic Soluciones Tecnológicas, and he has more than 2,500 hours of training experience in Delphi, SQL, PL/SQL, JAVA, PostgreSQL and WordPress, among other technologies. Since September 2013, he has served as Delphi MVP for Embarcadero. In addition, he is the creator of the podcasts *No Solo Delphi* and *Aprende a Programar* and a promoter in Spanish-speaking communities of free software, such as PostgreSQL and Delphi MVC Framework.

Michael Philippenko is Co-founder and one of the leaders of Fast Reports Inc. since 1998. He has a university degree of the specialty of automated systems of information processing and control, has the qualification for high school teacher, and an enterprise manager ("mini MBA"). He headed the programming department of the College of Communications and Informatics of the Rostov city (2016-2019), and he is a member of the Independent Software Developers Forum (ISDEF.org).

Željan Rikalo is a Lazarus core developer who implemented the Qt4, Qt5, and Qt6 widgetsets for Lazarus, enabling cross-platform support for Linux, macOS, Windows, and Amiga (Qt5/Qt6). He has contributed numerous improvements and fixes to the GTK2 widgetset over the years. In 2012, he created the initial GTK3 widgetset skeleton, and over the past year and a half has worked extensively on updates and improvements that significantly advanced GTK3 support in Lazarus.

Richard Hatherall is an Embarcadero MVP for Delphi with over 25 years of experience. As the founder of Appercept, Richard has made it his mission to provide a world-class experience for Delphi developers using cloud services by developing the Appercept AWS SD for Delphi. As the author of the open-source Delphi-WebMocks project, Richard promotes test-driven development and industry best practices.

Rules for the Rooms

It is not permitted to bring food or drinks into the classrooms. Please follow this rule, as accidents with food and beverages always happen.

The Sciences Faculty cafeteria

If you want to eat or have a coffee during the break, the Faculty of Sciences cafeteria has very good prices.

Coffee /Café : 1.20 €

Small bite /Tapa: 1 €

Coffee + Small bite /Café + Tapa : 1.20 €

Drinks:

Water 0,5 l. 1 €

Water 1,5 l. 1,3 €

Water with bubbles 1 €

Coca-Cola 1.5€

Aquarious 1.7 €

Mosto (Greip juice) 1.3

Seven-Up 1.2€

Red -Bull 2€

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University restaurant:

If you want to have lunch or dinner, very near the Faculty of Sciences you will find the university restaurant of Colegio Mayor Fray Luis de León. (check Locations).

	TIME (the time to buy food)	PRICE
LUNCH	14:00 TO 15:00	5,90 €
DINNER	21:00 TO 22:00	4,10 €

Assistance and insurance

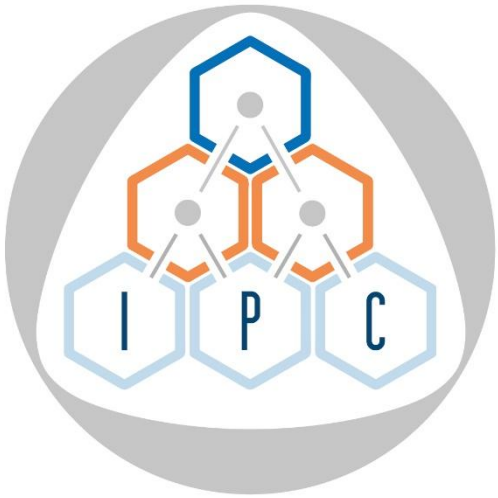
Participants are advised to make their own arrangements regarding travel insurance and medical assistance during the Conference. Neither the Organization nor the Conference Secretariat is able to accept any responsibility whatsoever for damage or injury to persons or their belongings during the Conference.

Electricity

Electric supply is AC 220 V / 50 Hz standard continental European, with two round pin plugs for appliances.

Currency, Banks and Tipping

The monetary unit in Spain is the EURO (symbol €). The euro is divided into a hundred cents (symbol ¢). Coins: 1, 2, 5, 10, 20 and 50 cents; 1 and 2 euros. Banknotes: 5, 10, 20, 50, 100, 200 and 500 euros. Banknotes of 500 euros are usually only accepted at bank offices. The maximum cash payment allowed is 2500 euros. All international credit cards (Visa, American Express, Master Card, Euro-card, Diners Club, etc.) are widely accepted by hotels, restaurants and shops, and also in many ATMs or cashpoints. Business is transacted from 09:00 to 14:00 h. Monday to Friday. Money can be changed outside normal banking hours at hotels, travel agencies and other business, displaying a “Cambio/Change” sign. Take your passport or identity card with you when changing traveler’s checks. Since the service charge is normally included in restaurant, hotel and taxi bills, tipping is always optional.



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