

Workshop

Ifc4Lab @ Son Burguet 4Q23



Our first upgrade workshop on Industry Foundation Classes (IFC) took place in April 2023. It was well received and significantly enhanced the expertise of the participants. Already then it was decided by all participants to have a continuation as soon as possible. This we will now realize in the first week of October 2023.

Scope and concept

Why?	Lab design, construction and operation is missing effectiveness - in local projects and on international scale. To counter this we need a paradigm change and new technologies. Industry Foundation Classes (IFC) is the future driver for planning, construction and maintaining built assets. There is no reasonable alternative - so any player in the asset life cycle must engage and know what IFC is and what it does.
What? (detail link)	IFC is much more than a data exchange format. It is a modeling language capable of designing, managing and analyzing your project. It is the language of the operating system of your asset. It is the only fully consistent and persistent tool to maintain the digital twin. And it is Open Source and Free Software. <i>(for more details cf. the attached document on the workshop detailed structure)</i>
Who?	Asset owners, designers and engineers, product and service suppliers, facility and project managers will need to understand IFC. They will need to distinguish between an IFC model (acc. to ISO 10303 EXPRESS) and an IFC instance in STEP format. They will need to be able to talk IFC and be firm in the basics of the new ISO 16739:2023 "IFC Version 4.3" - may they work on managerial level or in direct client support. The number of workshop participants is limited - to be able to address and solve specific needs of the parties having booked the workshop. Booking is on a "first come, first serve" basis.
When?	The workshop will take place from 2023, Oct 2 to 6. The core program is on Tuesday, Wednesday and Thursday (Oct 3-5). Participants shall arrive by Monday evening - enjoying a small get-together with tapas in the kitchen. Friday is reserved as departure day.
How?	Participants will experience three days of intensive engagement demanding concentration and dedication. To ensure deep learning at least a quarter of the workshop is by exercise activities. Lectures and exercises are prepared, presented and managed individually. The

	workshop provides a Common Data Environment (CDE) supplying the participants with detailed course material, extensive literature and other sources during and after the training.
Language	Primary workshop language is English. The German organizer is one of the tutors and can explain complex issues also in German.
References	<p>Prof.Khaled Nassar (American University Cairo, Institute for Digitization in Construction Works) implements Building Information Management (ISO 19650) and IFC (ISO 16739) in many international projects (e.g. The Line at NEOM)</p> <p>Dr.rer.nat.Volker Krieger (organizer, www.prefect.consulting) is working as active member and convenor in various DIN, CEN and ISO committees. He recently retired from the Lab Planning Department of TMM AG to fully concentrate on BIM consultancy. He is an expert on lab and asset lifecycle and member of EGNATON from the very first moment.</p>
Location	<p>The Agroturismo Finca Son Burguet will motivate you to concentrate on your targets. It is secluded and perfect for concentration and relaxation. Located close to Puigpunyent in the Tramuntana mountains of Mallorca it is though only a 30min drive from the airport. An "agroturismo" is a special type of mallorquin accommodation - only limited sleeping places are allowed. More than half of the historical part of the asset must not be touched. Nevertheless we share good standard double-rooms within the allowed total of 12 beds. Son Burguet is booked out for weddings throughout the whole year. Our workshop will take place in between two weddings.</p> <p>Currently the only alternative sleeping opportunities in the vicinity of Son Burguet are rated in the upper price regime (Gran Hotel Son Net and Finca Ses Pomerres).</p>
Cost	Participants sharing a double bed room with another participant will be charged by a flat rate of 750 EUR. Booking a single room on your own will result in a higher flat rate of 1150 EUR for the whole workshop. The flat rate includes workshop fees, accommodation, airport transfer, breakfast, food and beverages, and eventually team-building dinners cooked at the finca. Each participant needs to book their flights on its own. We recommend doing so early.
Others	We guarantee that the workshop will take place. Bookings for accommodation and car hire have been made. Five participants have already confirmed. Participants booking will close at the beginning of September.

General Schedule

day	agenda	responsible	logistics
Mon, 02 Oct	arrival day, airport shuttle welcome tapas	all	
Tue, 03 Oct	finding their base of expertise and common understanding of EXPRESS modeling language	Volker, Khaled	everybody (cost of breakfast, self-cooking, snacks, tapas, beverages, etc. is included in flat rate)
Wed, 04 Oct	combining IfcObjectDefinition, IfcRelationship and IfcPropertyDefinition, adapting to Ifc4Lab	Khaled, Volker	
Thu, 05 Oct	focussing on user specific demand with technical pilots common findings	all	
Fri, 06 Oct	departure day, airport shuttle farewell breakfast	all	

Find more details in the respective intranet (CDE) and the attached [document](#)

Volker Krieger, 2023-09-10

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