

Årsmøde 2019

Bentleyuser.dk



iModel

iTwin



11. til 13. november 2019

HOTEL MUNKEBJERG VEJLE

NORDIC CIVIL



BIM

Mobile



Connect



Learn





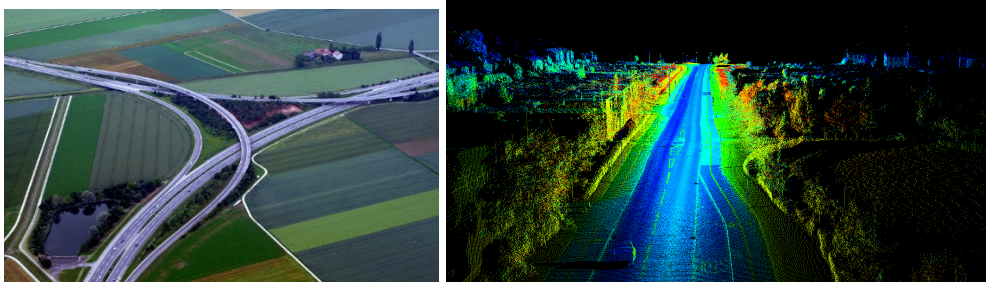
Velkommen til Årsmøde og Nordic Civil Conference i Vejle - den 11. til 13. november 2019

Det er med stor glæde, at vi præsenterer dette års program.

Programmet indeholder i år mere end 80 indlæg og workshops. Sidste år så vi, at indlæggene blev mere og mere tværfaglige, og denne tværfaglighed afspejler sig igen i dette års program. I Geospatial-sporet er det tydeligt at se, at flere indlæg henvender sig til både Geospatial- og Civilbrugere. MicroStation og Geospatial-sporet begynder at blive tættere knyttet til hinanden med fælles faglige indlæg. Det samme gør sig gældende i Datamanagement sporet, hvor flere indlæg er mere end blot Datamanagement.

Årsmødet fordeler sig stadig på 6 faglige spor samt 2 workshopspor mandag og tirsdag og onsdag i forskellige Civil-workshop og Civil-indlæg, og i år er der også workshop i Context Capture. Der bliver sat hele 60 Pc'er op til workshopperne.

Workshopsporerne, mandag og tirsdag, er utrolig populære, og vi ved, at disse hurtigt bliver fyldt op, så skynd dig at tilmelde dig, så du er sikker på en plads. Udover de mange workshop er der naturligvis en række produktopdateringer, hvor fokus helt naturligt er lagt på Connect delen. Vi vil helt sikkert igen i år se mange spændende tiltag fra Bentleys side (for at overbevise os brugere om at skiftet til Connect kan være fornuftigt). Vi kan konkludere, at flere og flere er begyndt at anvende Connect.



I lighed med andre år sender Bentley en række medarbejdere til Årsmødet for at servicere og berige os deres faglighed og deres brede erfaring gennem både indlæg og ved, at vi alle undervejs kan kontakte dem direkte og stille spørgsmål.

Årsmødet er også det forum, hvor du kan medbringe dine daglige udfordringer og tage en snak med både SIG-formænd og Bentley ansatte. Specielt vil vi opfordre alle til at deltage i Bentley Café møderne. Herudover er alle Årsmødedeltagere Bentleybrugere, så der vil være rig mulighed for at drøfte daglige udfordringer med andre brugere. På den måde kan du opbygge et ganske særligt personligt netværk, som du efterfølgende vil kunne anvende i din dagligdag. Netværk er en særdeles vigtig målsætning for hele Årsmødet, hvor vi har en unik stemning i de fantastiske rammer på Hotel Munkebjerg.



I år er der desuden to keynotes.

Keynoten fra Bentley vil omhandle: Innovations of a Digital Infrastructure Industry

Each day the infrastructure industry is seeing new benefits as a result of 'Going Digital'. Join Dustin Parkman, Vice President of Civil Infrastructure, for an informative keynote spotlighting key innovations that are making this movement possible. This keynote will showcase the latest in OpenRoads technology, CONNECT Services, and much more, including a glimpse into the next big innovations to come in 2020.

Som noget nyt vil tirsdag morgens keynote ikke være faglig. I år satser vi på underholdning. Vi har lavet en aftale med **Karen-Marie Lillelund**, som kommer og holder et foredrag om **"Humor som værktøj til arbejdsglæde"**. For jer, som ikke har hørt eller kender til Karen-Marie Lillelund, glæd jer - hun er morsom!

Mandag aften kommer der igen musikalsk underholdning. Vi har fået **Bryan Rice** og hans keyboardspiller **Mads Enggaard** til at komme og underholde under middagen. Bryan har 6 albums bag sig med flere radiohits, bl.a. et af de mest spillede numre i Danmark: **"No Promises"**. Han har deltaget i Melodi Grand Prix 5 gange og opnået en 2. plads med nummeret **"Breathing"**.

Foreningens Generalforsamling afholdes i forbindelse med Årsmødet mandag eftermiddag. Formandens beretning præsenteres som tidligere år i forbindelse med konferencens start mandag morgen. Dagsorden og bilag udsendes 3 uger før Generalforsamlingen til medlemsvirksomheders kontaktpersoner og til foreningens personlige medlemmer.

Vi vil gerne opfordre til, at så mange som muligt deltager i Generalforsamlingen, da det giver et godt indblik i foreningens administrative arbejde. Ifald det kommer til afstemning, er der én stemme pr. medlemsvirksomhed/personligt medlem.

Husk også at holde øje med foreningens hjemmeside, www.bentleyuser.dk, hvor der i forbindelse med Årsmødet vil blive uploadet nyheder og hele tiden vil være et opdateret program.

Vi glæder os til at se dig til nogle spændende dage i Vejle, og vi håber, at det omfattende program kan inspirere dig til faglig udvikling, til engagement i de spændende tværfaglige indlæg og til at bidrage til gode sociale events.

Mange hilsener
Bestyrelse og SIG-formænd i bentleyuser.dk

BENTLEYUSER

Skovsal A

Skovsal B+C

Salon 4

Munkebjergsalen

09:00	Registrering og morgenbrød / Registration and breakfast (<i>Munkebjergsalens foyer</i>)	MANDAG 11. NOVEMBER
09:30	Velkomst og formandens beretning, <i>formand for bentleyuser.dk Michael Jepsen (Munkebjergsalen)</i>	
09:50	Bentley - Keynote - Corporate Update	
10:20	<i>Stefan Sigvardsson Business Solution Director Project Delivery Europe, Bentley (Munkebjergsalen)</i>	

10:30	A1 - OpenCities: Model City-Scale Digital Twins in its GIS Repository Stakeholders in city departments need accurate information to make informed decisions about their cities. The integration of reality meshes created by ContextCapture in OpenCities Map allows you to quickly model a city. OpenCities Map allows you to segment and add semantic information to the mesh by creating a link between the mesh and the spatial database of the city.	B1 - Why Not Migrate to OpenBuildings Designer? Setup Cloud based Projects, establish BCF based Issue/Markup Workflows. See how to create and provide BIM enabled Models. Analyze Projects with rule based Display Styles Enlivened BIM with LumenRT Designer.	C1 - Managing Project Digital Twins with ProjectWise iTwin™ Services are a set of cloud services that enable organizations to create, visualize and analyze digital twins of infrastructure projects and assets. iTwin Services provide web-based and immersive visualization to allow project teams to understand the implications of design decisions early in the project.	D1 - MicroStation CONNECT Edition: What's New and Improved? Whether you're using V8i or an older release of MicroStation CONNECT Edition, every new update is packed full of valuable new capabilities that can help you save time and improve your design workflows. Get a tour of all of the very latest major enhancements and learn how you can get started using them immediately, whether everyone in your organization has upgraded to CONNECT Edition or not.
11:20	<i>Jerard Marsh, Bentley</i>	<i>Karsten Pudziow, Bentley</i>	<i>Stefan Sigvardsson, Bentley</i>	<i>Ronald Zeike, Bentley</i>

11:30	A2 - OpenCities Planner for Urban Planning and Project Communication Explore how to use OpenCities Planner to visualize your urban planning and infrastructure projects on the web, mobile, and showroom. Learn how cities and organizations are leveraging OpenCities Planner to make smarter decisions and improve collaboration and engagement with stakeholders.	B2 - BIM for Transportation and Transit Projects OpenBuildings Station Designer has tools and transportation BIM content for both above and below ground rail stations. It also includes special templates for creating tunnel segments (with Bentley's generative design tool GC), which are based on linear alignments from Bentley's OpenRail solution. So, if the track changes, the tunnel will automatically change as well, and the station will also align. Fruther, hear about the companion product LEGION...	C2 - Best Practices: Advanced Civil 3D Integration and Workflow See first-hand the workflow, tools, and latest capabilities for integrating the work of Advanced Civil 3D application users to improve multidiscipline design collaboration in your project teams.	D2 - Vejdirektoratets modeller fra DGN til WebGIS Kom og hør hvordan Vejdirektoratets krav til DGN modeller genererer værdig og danner grundlag for en åben datadeling for både Vejdirektoratet og eksterne interessenter. Få desuden indblik i processen fra DGN-format til WebGIS.
12:20	<i>Håkan Engman, Bentley</i>	Karsten Pudziow, Bentley	<i>Dan Cutler, Bentley</i>	<i>Helle Nedergaard Johansen & Morten Sørensen, Vejdirektoratet</i>

12:30	Frokost / Lunch			
13:30	KEYNOTE: Bentley keynote - Innovations of a Digital Infrastructure Industry Each day the infrastructure industry is seeing new benefits as a result of 'Going Digital'. Join Dustin Parkman, Vice President of Civil Infrastructure, for an informative keynote spotlighting key innovations that are making this movement possible. This keynote will showcase the latest in OpenRoads technology, CONNECT Services, and much more, including a glimpse into the next big innovations to come in 2020.			
14:20	<i>Dustin Parkman, Vice President of Civil Infrastructure, Bentley (Munkebjergsalen)</i>			

14:30	A3 - OpenCities Planner En række kommuner har valgt OpenCities Planner, som webbaseret 3D platform til kommunikation om den fysiske planlægning. Kom og hør konkrete eksempler på de kommunale planafdelingers anvendelse af 3D i udarbejdelsen af planforslag, og i dialogen med politikere og borgere. Der fortælles også om, hvordan de tekniske løsninger er skruet sammen.	B3 - GeoCoordination Between Civil and Building Data Import a Geographic Coordinate System from a Civil geocoordinated model to align the Building Model. These step-by-step exercises will demonstrate how to handle Geocoordinates in a Building Context	C3 - Enable Proactive Management of Design Work-in-Progress with Project Insights Dashboards Learn how near real-time project performance analytics from ProjectWise enable you to leverage big data from your projects into more timely and informed decisions that improve project outcomes and firm performance.	D3 - Item Types i Microstation CONNECT Lær om hvordan items kan bruges til at berige dine CAD elementer med egenskabsdata, og efterfølgende lave udtræk som kan benyttes til mængdeopgørelser. Vi tager også et kig på hvordan CAD filer, med ledningsoplysninger modtaget gennem LER, kommer til at indeholde data fra Ledningsejeres GIS databaser, der kan læses direkte i Microstation.
15:20	<i>Jesper Rye Rasmussen, NIRAS</i>	Karsten Pudziow, Bentley	<i>Dan Cutler, Bentley</i>	<i>Christian Illum, NIRAS</i>

15:30	Pause / Break			
15:45	A4 - Brug af BBR i OC Map og MicroStation Dette indlæg fokuserer på hvordan offentlige registerdata kan bearbejdes i LIFA's program EjdExplorer, og blive til forståelige og hurtigt udarbejdede tematiske kort i OpenCities Map. Indlægget vil omhandle muligheden for præsentation af data i OpenCities Map, efter at datagymnastikken er foretaget i EjdExplorer.	B4 - Visual Programming med GC Kom og se hvordan Generative Components kan benyttes med andre <i>visual programming software</i> på forskellige måder.	C4 - Import/eksport af dokumenter og attributter vha Excel. Se hvordan du kan importere eller eksportere dokumenter og attributter i ProjectWise ved hjælp af Excel.	D4 - ProjectWise tips og tricks for MicroStation brugere Tips og tricks til hvorfor ProjectWise kan hjælpe en MicroStation bruger i hverdagen. Og herunder også tips til nogle af de mange kommandoer som findes i ProjectWise.
16:35	<i>Rune Halkjær Christensen, Lifa</i>	<i>Jón Gunnar Hilmarrson, Rambøll</i>	<i>Morten Sørensen, Vejdirektoratet</i>	<i>Thomas Bogø Nissen, Rambøll</i>

16:45	BentleyUser.dk - Generalforsamling 2019 (<i>Skovsal A</i>)			
17:45	Bentley Café (<i>Salon 4</i>) - et uformelt Café-arrangement, hvor du får mulighed for at møde og stille spørgsmål direkte til Bentleys udviklere, og tale med foreningens SIGformænd og ligesindede. - bring your questions to Bentley developers, meet the SIG chairmen and join the informal discussions.			
19:00	Drinks (<i>Munkebjergsalens foyer</i>)			
19:30	Middag / Dinner (<i>Munkebjergsalen</i>)			

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Tree-Top 1		Tree-Top 4	Fjordsalen	Mødelokale 4+6	Mødelokale 3+5
09:00	Registrering og morgenbrød / Registration and breakfast (<i>Munkebjergsalens foyer</i>)				
09:30	Velkomst og formandens beretning, <i>formand for bentleyuser.dk Michael Jepsen (Munkebjergsalen)</i>				
09:50	Bentley - Keynote - Corporate Update				
10:20	<i>Stefan Sigvardsson Business Solution Director Project Delivery Europe, Bentley (Munkebjergsalen)</i>				
10:30	P1 - What's New in Bentley's Plant Solution Short overview of the recent changes and enhancements for Bentley's Plant solution; Interoperability; Roadmap	W1 - AccuDraw Basics In this workshop, you will learn how to navigate in 2D and 3D design space using AccuDraw. You will learn the basic features, functionality, usage and related settings and shortcuts required for this purpose. This geometrically translates into relocation of the origin and reorientation of the coordinate axes.Starting from the need for a coordinate system, its types and role in the modeling process; its embodiment in AccuDraw is laid out. The main parts of AccuDraw – the Compass and the Coordinate Window – and their role are covered. Besides the main function, other conveniences provided by AccuDraw are also covered like the auto placement of point, context-based change of mode and orientation of axes, access to snap modes, tool settings etc. which add to the speed and thus efficiency.	E1 - Bentley Civil Keynote Join representatives from the Bentley Product Management team for an overview of what's new in the latest releases and what will be coming soon with Bentley civil design software products. <i>Ian Rosam, Bentley</i>		X1 - Creating and Editing Centerline Geometry In this workshop, you will learn how to create and edit horizontal and vertical geometry using various tools and techniques. You will be -Using Civil AccuDraw -Creating horizontal geometry lines -Creating horizontal geometry arcs -Creating complex (alignment/chain) horizontal geometry -Defining Stationing -Editing geometry elements -Editing with the Table Editor -Appending geometry elements -Using Complex Redefine -Verifying geometry layout with Design Standards -Civil Message Center -Annotating Geometry -Display profile model -Create vertical geometry lines -Create vertical geometry parabolic curves -Create complex vertical geometry -Display intersection of another alignment on the profile -Edit Vertical Geometry with the Table Editor -Edit Vertical Geometry with Right Click -Append Vertical Geometry Elements <i>Maria Persson, Ian Joyce, and Jonathan Smith, Bentley</i>
11:20	<i>Magnus Cullberg, Bentley</i>		E2 – BIM Infra.dk: Fælles IKT specifikationer BDK og VD har over det sidste år samarbejdet om at lave fælles IKT – Specifikationer under paraplyprojektet BIM Infra.dk. Projektgruppen for fælles IKT – Specifikationer vil gerne fortælle om processen vedr. udarbejdelsen af dokumentet, og de forventninger BDK og VD har til samarbejdet. <i>Søren Krabbe, Vejdirektoratet og Amir Bigdeli, Banedanmark</i>	F2 - Adding Value to Rail Projects with OpenRail Designer Join us to explore how OpenRail Designer extends OpenRoads Designer with rail specific tools including turnout and crossing geometry, regression, cant, 3D rail design, and sleeper modeling. We will also look at workflows to model mainline tracks, yards, and tunnels and hear about the latest software enhancements and plans for the future. <i>Ian Rosam, Bentley</i>	
11:30	P2 - What'sNew in OpenPlant Products Latest changes in OpenPlant suite. From project setup to deliverables production.				
12:20	<i>Magnus Cullberg, Bentley</i>	<i>Mark Marnell, Bentley</i>			
12:30	Frokost / Lunch				
13:30	KEYNOTE: Bentley keynote - Innovations of a Digital Infrastructure Industry Each day the infrastructure industry is seeing new benefits as a result of 'Going Digital'. Join Dustin Parkman, Vice President of Civil Infrastructure, for an informative keynote spotlighting key innovations that are making this movement possible. This keynote will showcase the latest in OpenRoads technology, CONNECT Services, and much more, including a glimpse into the next big innovations to come in 2020.				
14:20	<i>Dustin Parkman, Vice President of Civil Infrastructure, Bentley (Munkebjergsalen)</i>				
14:30	P3 - Introduction to Digital Twins from a Plant Perspective - Components Based design - Using Reality context during design - Design Review	W2 - QuickStart for MicroStation CONNECT Edition for Existing Users The MicroStation CONNECT Edition features updates to many parts of the software. These updates include the introduction of a ribbon-style graphical user interface (GUI), a relocation of the workspace settings, a new Backstage, updated tools and dialogs, Property Driven Annotation, a new Explorer replacing Project Explorer, and much more. Master these new and exciting features.	E3 - Visualisering til borgermøder Vi optager information 50.000 gange hurtigere visuelt end via tekst. Så når et projektforslag eller et projekt skal præsenteres er visuel kommunikation den bedste løsning. Kom og hør hvordan at vi har kombineret drone, 3D modeller, ContextCapture og LumenRT til at visualisere projektet, når udgangspunktet er en meget stram tidsfrist og budget. <i>Martin Laursen, Rambøll</i>	F3 - New Geometry Tools and Enhancements Join us as we explore the newest Geometry tools and enhancements. Geometry Builder will likely become your favorite tool for creating and editing geometry. For those complex situations where you need to solve geometric layouts it is used to specify the connecting line, arc, and spiral segments and control which segments are fixed and free to adjust to solve the layout. <i>Ian Rosam, Bentley</i>	X3 - Introduction to OpenSite Designer This workshop is designed to help users understand the basic tools within OpenSite Designer. Users will learn work-flows for creating a site project and also learn about using the new automation and optimization tools for grading. You will begin by creating the conceptual horizontal layout of the site that includes the building footprint, parking lots, main drive and connector drives. Once the conceptual horizontal layout is complete you will run the Grading Solver which will optimize the grading for the site and also define the elevations of the 3D site elements.
15:20	<i>Magnus Cullberg, Bentley</i>				
15:30	Pause / Break		Pause / Break		
15:45	P4 - Multidiscipline, Multi-Vendor Project Hub in a Plant Project - Federating models from different platforms for project review - BIM workflows / processes		E4 - Rundkørsler i Openroads SS4 På Fjordforbindelsen Frederikssund blev vejanlægget detailprojekteret i Openroads SS4, herunder 5 stk. 1-sporede rundkørsler samt én 2-sporet rundkørsel. I processen optimeredes projekteringen løbende i forhold til brug af bl.a. opdeling af data, Terrain Models, Civil Geometry og Civil Cells (som både har fordele og ulemper).	F4 - Creating and Managing Plan, Profile, and Cross Section Drawings Producing plan drawings remains a essential part of most projects. OpenRoads Designer brings a new level of automation to the drawing production process. No longer will your sheets be out of sync with the design model. Join us to learn the workflows to create these sheets and understand some the new terminology. Learn how to create a separate dgn for each sheet. <i>Dan Ahern, Bentley</i>	
16:35	<i>Magnus Cullberg, Bentley</i>	<i>Ronald Zeike, Bentley</i>	<i>Morten Bjamdahl, Sweco</i>		<i>Ian Joyce, Riob Nice, Maria Persson, Bentley</i>
16:45	BentleyUser.dk - Generalforsamling 2019 (<i>Skovsal A</i>)				
17:45 19:00	Bentley Café (<i>Salon 4</i>)		Civil Café - Bring your questions to this session and receive answers (<i>Fjordsalen</i>)		SUE Sub SIG meeting (<i>Skovsal A</i>)
19:00	Drinks (<i>Munkebjergsalens foyer</i>)				
19:30	Middag / Dinner (<i>Munkebjergsalen</i>)				

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Skovsal A		Skovsal B+C	Salon 4	Munkebjergsalen
09:00	KEYNOTE: Humor som værktøj til arbejdsglæde Humor er en eftertragtet egenskab. Vi ønsker os medarbejdere med humor, kolleger med humor, kærester med humor og det gør da heller ikke noget, hvis kioskmanden og kasseassistenten har et humoristisk overskud. Men det hjælper ikke meget, hvis vi nøjes med at ønske os, at omgivelserne har humor. Vi kan som bekendt ikke ændre andres adfærd - kun vores egen. Det humoristiske overskud starter hos os selv og Karen-Marie Lillelund giver i dette foredrag mange forskellige bud på, hvor vi kan begynde i det nære, på jobbet i parforholdet og i forhold til os selv. Det er en udbredt misforståelse at nogen mennesker simpelthen mangler humoristisk sans. De har den. De har bare aldrig trænet den. Karen-Marie Lillelund, Kommunikationskonsulent og foredragsholder (Munkebjergsalen)			
10:20	Pause / Break			
10:30	A5 - What's New in ContextCapture Discover the latest reality modeling technology updates in ContextCapture to streamline your workflow Jerard Marsh, Bentley	B5 - CONNECT Edition Enhancements - Architectural This lecture contains instructions for review of changes and updates for the architectural discipline to AECOsim Building Designer CONNECT Edition. Karsten Pudziow, Bentley	C5 - ProjectWise Roadmap and Strategy Detailed product management roadmap including new features and planned enhancements for ProjectWise Servers, desktop and web clients, and ProjectWise 365 services. Hans Koorneef, Bentley	D5 - MicroStation Tips & Tricks Kom med på en tur igennem de, måske for nogle, ukendte eller glemte tips & tricks. Nogle kan bruges i dagligdagen eller når man skal noget helt særligt. I denne session er det også helt normalt at I fra salen, også kommer med input. Tine Lai Andersen, NIRAS
11:30	A6 - Advanced Reality Modeling to Creating Digital Twins of Complex Sites In this presentation, you will learn when and how to combine different reality modeling 3D capturing techniques to create highly-detailed 3D reality meshes on some of the most demanding industrial sites and how to consume those meshes in asset management, inspection and maintenance workflows. Jerard Marsh, Bentley	B6 - Ringsted St. - Visualisering med LumenRT LumenRT vinder mere og mere indpas og en del har allerede prøvet at lave en visualisering med LumenRT, men hvordan får man lavet en lækker visualisering og hvilke faldgrupper er der? Hvordan får man eksempelvis en linestring ind i visuall-seringen? Få en gennemgang fra A-Z hvor en model klargøres og trækkes over i lumenRT, krydres med lidt Phyton scripting, og til slut bruges til filmgenerering. Lasse Jensen og Mikkel Bennedbæk, Atkins	C6 - Why and How to Move Your ProjectWise Environment to the Azure Cloud Witness how the Microsoft partnership enables you to leverage the security and reliability of the Azure cloud to migrate your ProjectWise implementation to a cloud-hosted environment. Learn about the migration, maintenance, and how this practice can help reduce overall IT costs, provide greater operational agility for project starts, and improve disaster Hans.Koorneef, Bentley	D6 - Digital arbejdsgang fra anlæg til drift Vejdirektoratet administrerer mere end 70.000 skilte. Ved ny anlæg projekteres skilte i MicroStation. Vejdirektoratet har udviklet en digital løsning som letter hverdagen for alle der er involveret. Løsningen kaldes Skilteapps. Vejdirektoratet viser nogle smarte værktøjer i MicroStation, automatisk skilte nummer og tilknytning af GUID og eksport til database. Hvordan entreprenøren arbejder med Skilteapps, hvordan Som udført er blevet gjort overflødig. Jette Voigt, Vejdirektoratet
12:30	Frokost / Lunch			
13:30	A7 - Workshop – Introduction to OpenCities Planner Workshop in OpenCities Planner. See and learn how you easily can use OpenCities Planner to visualize your urban planning and infrastructure projects on the web, mobile, and showroom. Johan Goransson, Bentley	B7 - BIM Infra.dk - Introduktion og status Hvad er BIMInfra og hvilke initiativer er igangsat? Kom og få en overordnet intro til BIMInfra og hør hvad der arbejdes med p.t., samt om samarbejdet med nationale- og internationale organisationer, herunder indenfor byggeri, ISO, BuildingSMART, mv. Gita Monshizadeh, Banedanmark	C7 - Managing Your MicroStation WorkSpaces in ProjectWise Learn how to promote greater design consistency, quality, and standards compliance by leveraging ProjectWise to manage and distribute approved WorkSpaces for Bentley applications. Explore key areas such as new Managed WorkSpace formula, WorkSet Design, and Optimization. Dan Cutler, Bentley	D7 - Printing and Publishing The final phase in completing a design project is producing the construction document set. It can be as simple as fencing an area in a design model and printing what is seen within the view window using the default settings or may include the use of sheet models, pen tables and print styles. Drawing sheets may be printed individually or in a "batch" mode using Print Organizer. Mark Marnell, Bentley
14:20	A8 - Best Practices for Consuming Reality Meshes in Bentley's Applications See how to easily transform your 3D reality meshes into a cinematic quality visualization for presentation to stakeholders and clients. Quickly produce 3D reality models with ContextCapture. Seamlessly export the 3D reality mesh to Bentley LumenRT. Easily enliven and add digital nature to your 3D model. Jerard Marsh, Bentley	B8 - CONNECT Edition Enhancements - Structural This course contains instructions on using the new functionalities and features for structural design in the CONNECT Edition of AECOsim Building Designer Karsten Pudziow, Bentley	C8 - Best Practices: Transitioning to the Cloud Find out the advantages of transitioning your ProjectWise data sources to the Microsoft Azure Cloud. Get the insights on how to optimize and learn about Bentley's initial and ongoing support through migration and maintenance. Hans.Koorneef, Bentley	D8 - The MicroStation CONNECT Edition - Configuration 101 A conversation of the new configuration levels in MicroStation, everything from System (default data), Organization, WorkSpace, WorkSet, Role and User. Learn to create and use WorkSpace, and WorkSet, templates, setting User roles and much more. Mark Marnell, Bentley
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15:45	Afslutning af Årsmøde og lodtrækning (Munkebjergsalen) - Nordic Civil will continue after the break			
19:30	Middag / Dinner (Salon 2+3)			

BENTLEYUSER		NORDIC CIVIL				
Tree-Top 1		Tree-Top 4	Fjordsalen	Mødelokale 4+6	Mødelokale 3+5	
09:00	KEYNOTE: Humor som værktøj til arbejdsglæde Humor er en eftertragtet egenskab. Vi ønsker os medarbejdere med humor, kolleger med humor, kærester med humor og det gør da heller ikke noget, hvis kioskmanden og kasseassistenten har et humoristisk overskud. Men det hjælper ikke meget, hvis vi nøjes med at ønske os, at omgivelserne har humor. Vi kan som bekendt ikke ændre andres adfærd - kun vores egen. Det humoristiske overskud starter hos os selv og Karen-Marie Lillelund giver i dette foredrag mange forskellige bud på, hvor vi kan begynde i det nære, på jobbet i parforholdet og i forhold til os selv Det er en udbredt misforståelse at nogen mennesker simpelthen mangler humoristisk sans. De har den. De har bare aldrig trænet den. Karen-Marie Lillelund, Kommunikationskonsulent og foredragsholder (Munkebjergsalen)				TIRSDAG 12. NOVEMBER	
10:20	Pause / Break					
10:30	P5 - Design and Analysis Interoperability What's new in AutoPipe; overview of Piping and Structural design and analysis interoperability	W3 - Advanced Customization of the MicroStation CONNECT Edition User Interface MicroStation provides for extensive customization of the user interface including custom tool boxes and tools, context menus, the ribbon, named expressions and more. Customizations, stored in a DGN library file, can be beneficial to users in any discipline as well as the CAD Management team members. In this workshop, Administrators will create a specific set of custom tools to be used for CAD management, work with context menus and named expressions, and modify the ribbon interface.	E5 - The Danish ORD workspace The Danish dataset for OpenRoads Designer contains settings adjusted to use DDA-levels and the Danish road and rail design standards. Join this session to learn the latest news and how to adapt the Danish workspace to your company workspace.	F5 - Hitting the Target: Modeling Against Subsurface Strata We will use the gINT tools to define sub-surfaces such as limestone or shale layers from geotechnical data and make those sub-surfaces available in OpenRoads Designer so that they can be targeted by our roadway or railbed corridor model.	X5 - Creating and Manipulating the Corridor In this workshop, you will create a roadway corridor and then explore the many tools and techniques to edit and manipulate the corridor.	
11:20	Magnus Cullberg, Bentley		Marianne Rask, Vex	Jonathan Smith, Bentley		
11:30	P6 - OpenPlant Project Example: Ichemad - Installation for production of saturated polyester resins. Remote session.		E6 - Vejdirektoratets Standarder – annotering Vejdirektoratet har udviklet en standard for optegning og annotering af linjeføring, længdeprofil og tværsnit. Se status på vores standard og hør om de tanker, vi har gjort os og ikke mindst de udfordringer vi er stødt på undervejs.	F6 - Designing Road Drainage – Surface and Subsurface In this presentation we will look at how to position inlets to effectively drain the road surface, then place and size the subsurface pipework.		
12:20		Ronald Zeike, Bentley	Signe Hedegaard, Vejdirektoratet	Jonathan Smith, Bentley	Ian Joyce, Rob Nice, and Maria Persson, Bentley	
12:30	Frokost / Lunch					
13:30		W4 - Using Parametric Solids, Constraints, Variables and Variants-Putting it all Together with Parametric This workshop contains exercises that will assist experienced 2D MicroStation users become familiar with 3D tools and concepts, specifically parametric solids, 2D and 3D constraints, variables, variants and parametric cells within the MicroStation CONNECT Edition	E7 - Produktion af data til 3D maskinstyring Til dette indlæg kan du komme og høre om fordele ved brug af maskinstyring og hvilken proces der ligger bag udarbejdelsen af materialet til entreprenørmaskinen og hvordan modellerne kvalitetssikres inden brug i marken.	F7 - Walls and Side Slopes with OpenRoads Designer Learn how OpenRoads Designer enhances your ability to model retaining walls. During this session we will show how to use intelligent end conditions to include retaining walls along your projects. You will learn about the powerful capabilities that allow you to model walls and side slopes while adhering to engineering requirements.	X7 - Templates Triggers and Switches Learn how to create templates that use null points with component display rules. These act as triggers (or switches) to display and undisplay parts of your template when linear geometry is added as corridor reference elements to a corridor.	
14:20			Christian Nielsen, Geopartner	Dan Ahern, Bentley		
14:30	Pause / Break		Pause / Break			
14:45			E8 - Udnyttelse af punktskyer til clashkontrol Til Sporformyelsen København-Høje Taastrup blev der udført punktsky opmåling af hele strækningen fra en mobil skanner. Data blev klassificeret og konverteret til 3D elementer. Resultatet har været en helt ny fremgangsmåde at håndtere et projekt og grænseflade afklaringer.	F8 - OpenRoads Designer Extended Attribution Learn how to use Item Types to add extended attribution to objects in your OpenRoads Designer models. Item Types can be applied manually, through Feature Definitions, or the Asset Manager tool. We will also discuss how to use the Item Types attributes in reports, tables, and IFC exports.		
15:35		Ronald Zeike, Bentley	Martin Laursen, Rambøll	Dan Ahern, Bentley	Rob Nice, Maria Persson and Ian Joyce, Bentley	
15:45	Afslutning af Årsmøde og lodtrækning (Munkebjergsalen) - Nordic Civil will continue after the break					
16:10	SIG Farver MicroStation BIM Data Management Plant GEOspatial and Vizualiation Civil Civil Workshops	E9 - iModelHub and Digital Twins for Civil Users Have you heard the buzz about digital twins or the iModelHub but are struggling to understand what it is or why it is important to you? Is the iModelHub the same as iModels that have existed for years? This session will address these questions.	F9 - OpenRoads Best Practice - Terrain Modeling Tips and tricks for working with terrain models including the best way to create a single terrain from multiple corridors and linear templates, how to create and use graphical filters to create a single terrain, how to export the terrain to other formats, and more...	X9 - Quantities and Earthwork In this workshop, you will learn various tools and methods to compute quantities and earthwork from the corridor model. You will learn how to assign unit costs and generate an estimated cost report for your project using the Component Quantities and Element Component Quantities tools. We will take a look at how to generate cut and fill volume reports from single as well as multiple corridor models. You will learn how Named Boundaries and the Quantities Report by Named Boundary tool can be used to separate quantities in the corridor model.		
17:00			Ian Rosam, Bentley	Ian Joyce, Bentley		
17:10						
18:00			Ian Rosam, Bentley		Dan Ahern, Rob Nice, and Maria Persson, Bentley	
19:30	Middag / Dinner (Salon 2+3)					

BENTLEYUSER		NORDIC CIVIL			
Tree-Top 1		Tree-Top 4	Fjordsalen	Modelokale 4+6	Mødelokale 3+5
			ONSDAG 13. NOVEMBER		
09:00		W11 - Creating a Reality Model In this workshop you will learn how to build a reality model using ContextCapture from photogrammetry. Civil users will gain valuable insight into the accuracy level provided from these models. The user will learn to include ground control on a captured roadway project and access detailed reports attesting to accuracy. Learn what it takes to generate a survey accurate reality model for use in civil design projects.	E11 - Setting up Text Favorites and Annotation During this session we take a deep dive into configuring the drawing seed files that make creating Plan, Profile, and Cross Section sheets a breeze for your production teams. A little detail work up front provides your production team a select and go solution to matching your standards. This session is updated from last year's conference. <i>Dan Ahern, Bentley</i>	F11 - Rail Regression In this workshop you will learn how to create a Horizontal and Vertical alignment along an existing track using the Regression tools available in OpenRail Designer. The existing track survey will be the starting point.	X11 - Peak Flow Analysis and Design of Drainage Networks In this workshop we will look at peak flow hydraulics in a storm drainage network – designing a system to cater for catchment runoff, and analysing it for a larger storm event.
09:50					
10:00			E12 - Harnessing the Power of Civil Geometry Civil Geometry is a wonderfully simple collection of tools that when combined empower you to easily define intelligent, updatable, and responsive alignments and other geometry. Civil Geometry is also the core of Civil Cells. During this session we will solve common geometry situations and explore the Feature Definition Toggle Bar settings, Snaps, and Civil AccuDraw affect the geometry.		
10:50		<i>Jerard Marsh, Bentley</i>	<i>Ian Rosam, Bentley</i>	<i>Rob Nice and Maria Persson, Bentley</i>	<i>Jonathan Smith and Ian Joyce, Bentley</i>
11:00		Pause / Break			
11:10		W11 - Creating a Reality Model (Continued)	E13 - OpenRoads Best Practice - Project Management Join Bentley experts as they share recommendations for organizing OpenRoads project data, files, references, and working in a PW environment. Federating and organizing project data, files, and references properly can make all the difference in the efficiency of OpenRoads and your design environment. <i>Dan Ahern, Bentley</i>	F13 - QuickStart - Corridor Modeling for Rail In this workshop you will learn how to create a 3D model of a track corridor using the Corridor Modeling tools. The track corridor is a single track with concrete sleepers. You will define speed tables, cant, and model the corridor with multiple templates.	X13 - Time Varying Analysis of Drainage Networks In this workshop we will look at time varying, or a simulation, of a storm drainage network. This is a much better approximation of reality than peak flows, and we will see the advantages that it gives us.
12:00					
12:10			E14 - Road Roundtable A wrap up to the conference looking at recent road enhancements and get a glimpse into what we are working on for future releases. This is also a great opportunity to share questions, ideas and requests for software enhancements with the Bentley team.		
13:00		<i>Jerard Marsh, Bentley</i>	<i>Ian Rosam and Dan Ahern, Bentley</i>	<i>Rob Nice and Maria Persson, Bentley</i>	<i>Jonathan Smith and Ian Joyce, Bentley</i>
13:00		Frokost / Lunch			
14:00				F15 - Rail Roundtable A wrap up to the conference looking at recent rail enhancements such as overhead line/catenary systems and get a glimpse into what we are working on for future releases. This is also a great opportunity to share questions, ideas and requests for software enhancements with the Bentley team. <i>Ian Rosam, Bentley</i>	X15 - Subsurface Roundtable A wrap up to the conference looking at recent Subsurface Utilities enhancements such as plan and profile sheet creation workflows and get a glimpse into what we are working on for future releases. This is also a great opportunity to share questions, ideas and requests for software enhancements with the Bentley team. <i>Jonathan Smith, Bentley</i>
14:50					
Bentleyuser.dk - workshops and Nordic Civil 2019 closing					

UDSTILLING I FOYEROMRÅDET UD FOR MUNKEBJERGSALEN:

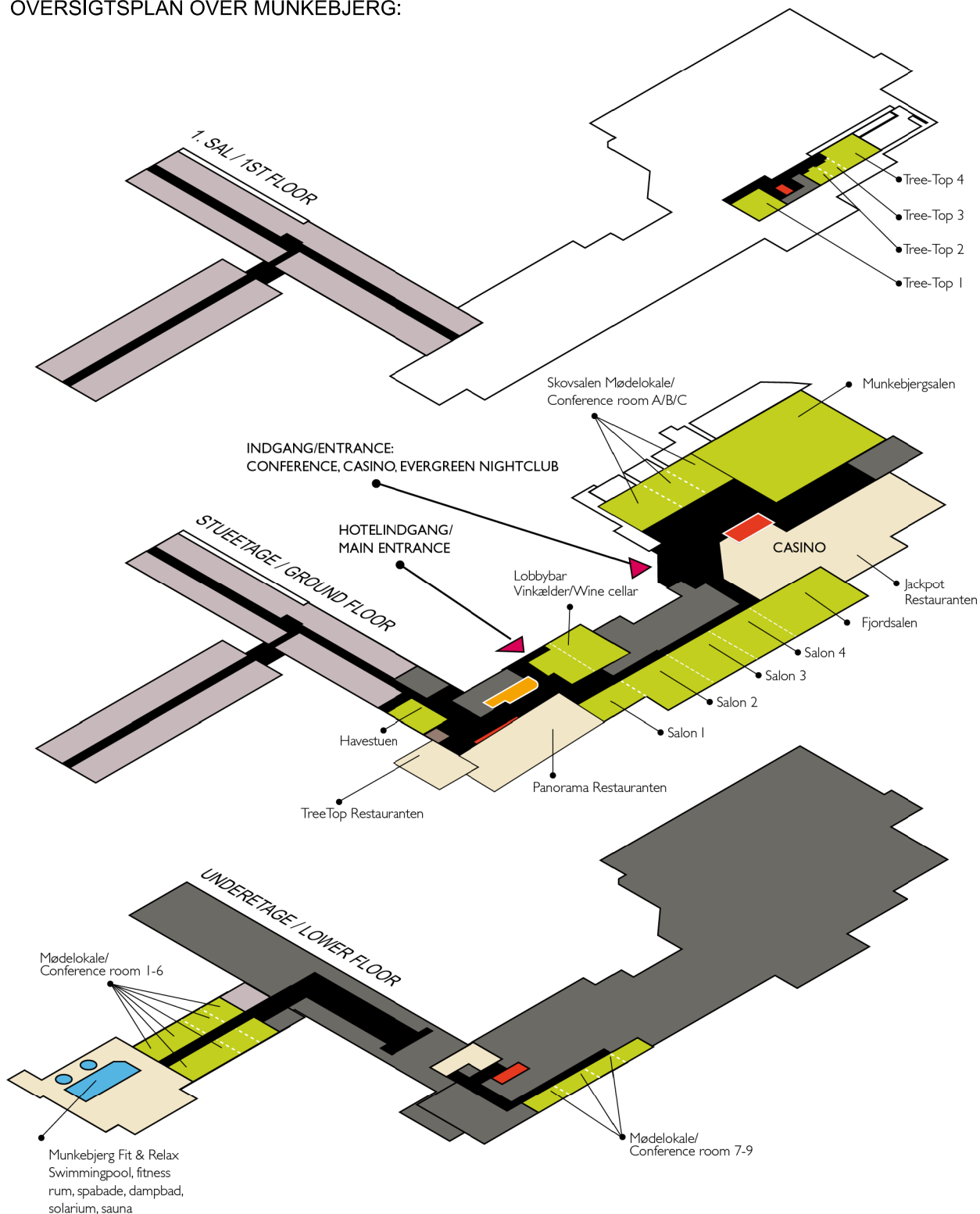


LE34 er Bentley Channel Partner og tilbyder konsulenttydelser og tilbyder et omfattende kursus udbud i Bentley programmer med undervisningssteder i Ballerup, & Aarhus. LE34 udvikler ligeledes produkter til mange forskellige platforme, og udlåner MicroStation personale hvis du mangler personale i spidsbelastninger.



LIFA A/S Landinspektører tilbyder et alsidigt miks af kompetencer og rådgivning inden for CAD-, GIS og OIS-ydelser. Som Bentley Gold Channel Partner og Bentley Institute Training Partner leverer vi unikke Bentley-kurser og -konsulenttydelser skræddersyet kundens behov. LIFA har igennem mange år udviklet Danmarks største portefølje af applikationer til Bentleyplatformen.

OVERSIGTSPLAN OVER MUNKEBJERG:



INDLÆGSHOLDERE OG DELTAGERE FRA BENTLEY SAMT UNDERHOLDNING:



Dustin Parkman
Vice President of Civil Infrastructure
Bentley



Jonathan Smith
Senior Application Engineer
Civil



Dan Ahern
Content Development Manager
Civil



Karsten Pudziow
BIM



Dan Cutler
Application Engineer
ProjectWise



Maria Persson
Civil



Hans Koorneff
Senior Applikation Engineer
Microstation



Mark Marnell
Bentley
MicroStation



Håkan Engman
Bentley



Magnus Cullberg
Manager
Application Engineering
Plant



Ian Joyce
Senior Application Engineer
Civil



Robert Nice
Senior Application Engineer
Civil



Ian Rosam
Director, Product Manager
Civil



Ronald Zeike
Consultant
MicroStation



Jaroslaw Sitek
ManagerApplication Engineering
Plant



Stefan Sigvardsson
Business Solution Director
Project Delivery Europe



Jerard Marsh
Bentley



Bryan Rice
Sanger/sangskriver



Johan Göransson
Director Product Management
OpenCities



Karen-Marie Lillelund
Foredragsholder med humor

bentleyuser.dk

bentleyuser.dk er en uafhængig brugerforening, hvis medlemmer benytter Bentleys programmer i deres professionelle virke. Foreningens formål er at formidle viden, kontakt og informationer til og mellem medlemmerne.

Det gøres dels gennem dannelse af interessegrupper - SIG'er - inden for forskellige emner, dels ved at understøtte medlemmernes ønsker og krav til Bentleys produkter.

En bestyrelse på 5 medlemmer varetager den daglige ledelse af foreningens virke og økonomi, mens SIG-formændene varetager den faglige udveksling bl.a. gennem SIG-møder, web-formidling og arrangementer som dette Årsmøde.



Formand:

Michael Jepsen
Sweco

Tegner foreningen, har kontakt til leverandører og relevante foreninger, sikrer afholdelse af generalforsamlinger og står for foreningens rejsearrangementer.



Næstformand:

Jan Thinglev Olsen
LE34

Formandens stedfortræder, står for Årsmødekoordinering, koordinering af SIG-arbejdet, samt af øvrige foreningsmøder.



Koordinator:

Finn Mejding
COWI

Referent på foreningsmøder, udsender mødeindkaldelser til bestyrelses- og formandsmøder, vedligeholder medlemsregister og dokumentarkiv, står for det praktiske arrangement ved Årsmødet.



Kasserer:

Kåre Friis-Christensen
Vejdirektoratet

Løbende regnskab, årsregnskab og budget, kontingentoprævning og betalinger.



Web/Marketing:

Bo Birkedal Bekker
Banedanmark

Drift, vedligeholdelse og udbygning af foreningens hjemmeside.



BIM SIG

Formand Mikkel Bennedbæk, Atkins

Formål: At skabe et forum for brugen af intelligente designmodeller, samt at styrke forståelsen af arbejdsgange forbundet med BIM, særligt i forhold til arbejdsgangen: fra model til virkelighed og visa versa.

Ligeledes at styrke det digitale samarbejde imellem aktørerne i byggeri og anlæg, for projekterende, udførende, myndigheder, offentligheden og bygnings- og anlægsejere.



Civil SIG

Formand Lene Westh, Atkins

Formål: At skabe et forum for de medlemmer, som til daglig arbejder med Bentleys anlægsrelaterede applikationer. At formidle information og udveksle viden inden for Bentleys anlægsrelaterede applikationer. At videregive medlemmernes ønsker til leverandøren og herved være med til at præge produktudviklingen efter brugernes ønsker.



Data Management SIG

Formand , Christian Joseph Jakobsen, COWI

Formål: Muligheden for at diskutere data håndtering i et bredt forum. Erfaringer vedr. dokumenthåndtering og vedligeholdelsessystemer med udgangspunkt i ProjectWise og AssetWise.

Desuden diskuterer SIG'en de udfordringer applikationer der er understøttet i dokument- og vedligeholdelsessystemerne giver.



GeoSpatial SIG

Formand Morten M.K. Sørensen, Niras

Formål: At skabe et forum for GEO SIGens medlemmer for at udveksle erfaringer og viden inden for Bentley Geospatial produkter, samt GEO-relaterede arbejdsområder med udgangspunkt i Dataudveksling med andre systemer, Databaser, ideer og erfaringer med fremstilling af konkrete produkter, Dataadministration af GEO-data mv.



MicroStation SIG

Formand Tine Lai Andersen, Niras

Formål: At skabe et forum for både en almindelig bruger samt administratorer, hvor man kan udveksle erfaringer og udfordringer vedr. MicroStation & applikationer der har relation til MicroStation platformen. Målet er også at skabe et godt og uformelt brugernetværk med masser af erfarings udveksling.



Plant SIG

Formand Morten Bjerre Stougaard, Rambøll

Formål: At skabe et forum for udveksling af erfaring og viden inden for Bentley Plant produkter så som OpenPlant, AutoPLANT, PlantSpace og generelle plant-værktøjer.

TID:

Mandag d. 11. november	kl. 9.00-19.00
Tirsdag d. 12. november	kl. 9.00-18.00
Onsdag d. 13. november	kl. 9.00-15.00

STED:

Munkebjerg Hotel,
Munkebjergvej 125,
7100 Vejle

Telefon +45 76 42 85 00
www.munkebjerg.dk

PRIS:

Medlemmer af bentleyuser:

Mandag-tirsdag - 1 middag og 1 overnatning:	4.000,- d.kr.
Mandag-onsdag - 2 middage og 2 overnatninger:	5.500,- d.kr.

Ikke medlemmer:

Tillæg for ikke medlemmer 1.000,- d.kr.

Prisen er den samme uanset om man overnatter eller ej, eller deltager i middagen

TILMELDING:

Senest fredag d. 25 oktober 2019

Tilmelding via foreningens webside: www.bentleyuser.dk

Tilmelding er bindende.

Hotelværelser tildeles efter først-til-mølle-princippet.

Når alle værelser på Munkebjerg er besat, vil senere tilmeldte blive tildelt værelse på et andet hotel i nærheden.

Der bliver arrangeret gratis bustransport mellem hotellerne.

