

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Upgrade2Success – Mastering HCM Migration

Instructors: Wim Valstar, Imran Sajid, Paul Meredith,
Julia Quintel, Lisa Munzenmaier, Philip Sachs,
Gabriel Henrich, Niveditha Kesavan, JoLynn Acierno,
Manuela Magin, Sudeesh Kumar Ravindran

This three-week online course was held from November 13 through December 12, 2019. It comprised 2-3 hours of learning effort per week.

The course covered the following topics:

- Ready, Steady, GO!
- A Detailed Look at the Migration Tools
- I Want to Move, But...

Walldorf, Germany, December 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Key Functional Topics in a System Conversion to SAP S/4HANA

Featuring experts from the SAP S/4HANA Regional Implementation Group

This four-week online course was held from November 6 through December 12, 2019. It comprised 3-4 hours of learning effort per week.

The course covered the following topics:

- SAP S/4HANA Project Management
- Conversion to SAP S/4HANA Finance
- Business Partner
- Conversion to SAP S/4HANA for Logistics Areas

Walldorf, Germany, December 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

roedle@gmx.net

hat teilgenommen an:

Die Technologie, die die Welt veränderte – 50 Jahre Internet

Der sechswöchige Kurs bestand aus den folgenden Inhalten:

- Digitalisierung der Welt
- Rechnernetze
- Internetworking mit IPv4 und IPv6
- Transportprotokolle
- Internetanwendungen
- Sicherheit im Internet
- Geschichtliche Entwicklungen

Durch den Zugriff auf mindestens 50% der Lernmaterialien
hat der Teilnehmer die Voraussetzung
für den Erhalt dieser Bescheinigung erfüllt.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Introduction to Statistics for Data Science

Instructors: Stuart Clarke, Michael Jordan

This six-week online course was held from October 08 through November 27, 2019. It comprised 3-4 hours of learning effort per week.

The course covered the following topics:

- Introduction to Statistics
- Descriptive Statistics
- Correlation and Linear Regression
- Introduction to Probability
- Probability Distributions
- Connecting to Your SAP Solutions

Walldorf, Germany, November 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

roedle@gmx.net

hat teilgenommen an:

Trolle, Hass und Fake-News: Wie können wir das Internet retten?

von Prof. Dr. Ralf Krestel und Julian Risch

Der zweiwöchige Kurs bestand aus den folgenden Inhalten:

- Soziale Medien, Nutzerbeiträge, Kommentarmoderation
- Hasskommentare, Trolle, Vandalismus, Sockenpuppen, False Flag
- Misinformation, Spam E-Mails, Fake Reviews, Social Bots
- Fake News, Deep Fakes

Durch den Zugriff auf mindestens 50 % der Lernmaterialien hat der Teilnehmer die Voraussetzung für den Erhalt dieser Bescheinigung erfüllt.

Confirmation of Participation

Thought Leaders

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP thought leaders course:

The Power of Experience Management

Instructor: Bruce Temkin

This thought leaders course was held from October 16 through November 14, 2019. It comprised 2-3 hours of learning effort.

The course covered the following topics:

- What is experience management (XM) and how organizations can use XM to consistently deliver the best experience
- Why XM is important, and what are the competencies required for success

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Walldorf, Germany, November 2019

Qualtrics
XM institute™

openSAP
Thought
Leaders

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Key Technical Topics in a System Conversion to SAP S/4HANA

Featuring experts from the SAP S/4HANA Regional Implementation Group

This four-week online course was held from October 2 through November 7, 2019. It comprised 3-4 hours of learning effort per week.

The course covered the following topics:

- Fundamentals and Technical Tooling
- User Experience in SAP S/4HANA
- Development Recommendations for SAP S/4HANA
- SAP Analytics

Waldorf, Germany, November 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

roedle@gmx.net

has participated in the following openHPI course:

Introduction to Successful Remote Teamwork

by Salim Chujfi, Thomas Staubitz, and Hanadi Traifeh

The 4-week course covered the following topics:

- Meaning and reliability of remote work
- Tools for remote teamwork
- Management and challenges of remote teamwork
- Intercultural competence

The participant qualified for this confirmation by accessing more than 50% of all learning material.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Research and Development in Discrete Industries

Instructors: Michael Roedel, Sarah Mei Niesel,
Petra Koepfer-Behncke and other SAP PLM experts

This five-week online course was held from September 24 through October 30, 2019. It comprised 4 hours of learning effort per week.

The course covered the following topics:

- Introducing R&D in Discrete Industries
- Managing Ideas & Concepts
- Early Engineering
- Detailed Design & Prototyping
- Handover to Production & Operations

Walldorf, Germany, October 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net


has participated in the following openSAP course:

SAP MaxAttention and SAP ActiveAttention

Instructors: Sei Drake, Erich Atkins

This course was held from October 1 through October 30, 2019, and comprised 3-4 hours of learning effort.

This course provided an overview of the SAP MaxAttention and ActiveAttention offerings.



openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Walldorf, Germany, October 2019

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Agile Project Delivery with Focused Build for SAP Solution Manager

Instructors: David Birkenbach, Joerg Marenk, Stefan Koerner

This six-week online course was held from September 4 through October 24, 2019. It comprised 3-4 hours of learning effort per week.

The course covered the following topics:

- Project Preparation and Management
- Explore Phase (Process Expert/Analyst)
- Realization (Architect/Developer)
- Test Management
- Release Management
- Focused Build Enablement

Walldorf, Germany, October 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Confirmation of Participation

Thought Leaders

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP thought leaders course:

Sustainability: Learning from Leading Companies

Instructors: Leaders from the world of corporate sustainability

This two-week thought leaders course was held from October 22 through November 20, 2019. It comprised 3-4 hours of learning effort.

The course covered the following topics:

- Sustainability and Corporate Strategy
- How to Execute an Integrated Strategy

Walldorf, Germany, November 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

THE CONFERENCE BOARD 

openSAP
Thought
Leaders

Confirmation of Participation

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Virtualize and Automate Your SAP Testing Using Int4 IFTT

Instructors: Michal Krawczyk, Michal Kowalczewski,
Michal Michalski, Mateusz Nowak, Andrzej Halicki,
Michal Lubczynski, Michal Jakubowicz

This three week online course was held from September 23 through October 22, 2019. It comprised 2-3 hours of learning effort per week.

The course covered the following topics:

- Test Automation of SAP Integration
- Testing of Integration
- Int4 IFTT Components

Waldorf, Germany, October 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.



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openSAP
open.sap.com

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

SAP Cloud Applications Studio for SAP Business ByDesign

Instructors: Babu Lal Limba, Guruprasad Durai, Tiju Thomas

This five-week online course was held from September 04 through October 17, 2019. It comprised 3-4 hours of learning effort per week.

The course covered the following topics:

- Introduction and Jump Start
- Integration and Analytics
- Business Configuration and Extensibility
- Approval, Data Protection, and Control
- Further Functionalities

Walldorf, Germany, October 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

SAP Intelligent Robotic Process Automation in a Nutshell

Instructors: Laurent Hurtebize, Thierry Gourdin,
Harshavardhan Bhat

This course was held from September 17 through October 16, 2019, and comprised 2-3 hours of learning effort.

The course provided an introduction to Robotic Process Automation (RPA) as an industry standard and introduced the solution SAP Intelligent RPA with its individual components.

Walldorf, Germany, October 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Getting Started with SAP Business ByDesign

Instructors: Rainer Zinow, Kristof Schneider

This course was held from September 17 through October 16, 2019, and comprised 2-3 hours of learning effort per chapter.

The course covered the following topics:

- Introduction to Cloud Computing
- Introduction to SAP Business ByDesign
- Basic Principles and Cross-Innovations
- Implementation, Adaptation, and Extension
- SAP Business ByDesign for Subsidiaries
- Business Processes

Walldorf, Germany, October 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Build Mobile Applications with SAP Cloud Platform Mobile Services

Instructor: Martin Grasshoff

This five-week online course was held from August 20 through October 2, 2019. It comprised 4-5 hours of learning effort per week.

The course covered the following topics:

- Introduction and Overview
- Mobile Back End
- Micro Apps
- Cross-Platform Native App Development
- Native App Development

Walldorf, Germany, October 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

SAP Enable Now Framework

Instructors: Robyn Brown, Dieter Voll, Johnson Bandela,
Christoph Haffner, Jaco van Zyl

This course was held from September 2 through October 1, 2019, and comprised 3-4 hours of learning effort.

In this course you learned about the intelligent user assistance concept with SAP Enable Now Framework: in-app learning which enables SAP users to quickly and easily perform their tasks with SAP Cloud solutions.

Walldorf, Germany, October 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

SAP Analytics Cloud – Authentication and Data Connectivity

Instructors: Harjeet Judge, Kevin Li

This three-week online course was held from July 23 through August 21, 2019. It comprised 3-4 hours of learning effort per week.

The course covered the following topics:

- Authentication and Data Connectivity 1
- Authentication and Data Connectivity 2
- Authentication and Data Connectivity 3

Walldorf, Germany, August 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

SAP C/4HANA Business Processes: Lead-to-Cash

Instructors: Konstantin Heine, William Falls, Amit Dudhbade,
Salma Sabbour, Prashant Kumar

This course was held from July 2 through August 14, 2019, and
comprised 3 hours of learning effort.

In this course you learned how the Lead-to-Cash process works
with SAP C/4HANA and SAP S/4HANA, as part of the Intelligent
Enterprise Suite.

Walldorf, Germany, August 2019

openSAP is SAP's platform for
open online courses. It supports
you in acquiring knowledge on
key topics for success in the SAP
ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:


Intelligent Enterprise User Experience with SAP Fiori 3

Instructors: Thomas Reiss, Jan Ruessel

This course was held from June 26 through August 1, 2019, and comprised 3-5 hours of learning effort.

The course provided an overview of SAP Fiori 3 and its consistent, intelligent, and integrated user experience for the Intelligent Enterprise.

Walldorf, Germany, August 2019



openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Intelligent Decisions with SAP Analytics Cloud

Instructors: Harjeet Judge, Jacob Stark, Ty Miller, Terry Penner, Thierry Brunet, Derek Johnson, Jie Deng

This five-week online course was held from June 18 through July 31, 2019. It comprised 2-3 hours of learning effort per week.

The course covered the following topics:

- Business Intelligence
- BI and Augmented Analytics
- Augmented Analytics: Smart Predict
- Collaborative Enterprise Planning
- Analytics Designer

Walldorf, Germany, July 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

hat an dem folgenden openSAP Kurs teilgenommen:

Programmieren mit Snap!

Sprecher: Jens Moenig und Jadga Huegle

Dieser zweiwöchige Kurs lief vom 02. Juli bis 24. Juli 2019. Er beinhaltet 4 Stunden Lernaufwand pro Woche.

Der Kurs deckt folgende Inhalte ab:

- Erste Schritte mit Snap!
- Blöcke - das nächste Level

openSAP ist die SAP-Plattform für offene Online-Kurse. Hier können Sie Wissen zu wichtigen Themen erwerben, die für den Erfolg im SAP-Umfeld entscheidend sind.

Walldorf, Deutschland, Juli 2019

Confirmation of Participation

Thought Leaders

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP thought leaders course:

Creating Trustworthy and Ethical Artificial Intelligence

Instructors: Experts from SAP in cooperation with members of the European Union High-Level Expert Group on Artificial Intelligence

This thought leaders course was held from June 25 through July 24, 2019, and comprised 3-4 hours of learning effort.

This course explained the Ethics Guidelines for Trustworthy AI created by the European Union's High-Level Expert Group on Artificial Intelligence, with insights from members of the group as well as experts from SAP.

Walldorf, Germany, July 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

openSAP
Thought
Leaders

Joerg Roedle

roedle@gmx.net

hat teilgenommen an:

Sicher per E-Mail kommunizieren - Mitleser unerwünscht

von Prof. Dr. Christoph Meinel

Der zweiwöchige Kurs bestand aus den folgenden Einheiten:

- E-Mail: Protokolle, Erweiterung MIME
- Angriffe auf E-Mail
- Grundlagen der Kryptographie
- Symmetrische und asymmetrische Verschlüsselung
- Verschlüsselungsprotokolle und Digitale Signatur
- Trust-Problem, Zertifikate, Public Key Infrastruktur
- S/MIME und PGP/GPG
- Praktischer Umgang mit GPG

Durch den Zugriff auf mindestens 50% der Lernmaterialien hat der Teilnehmer die Voraussetzung für den Erhalt dieser Bescheinigung erfüllt.

Potsdam, 09. Juli 2019

Confirmation of Participation

Joerg Roedle

roedle@gmx.net

has participated in the following openHPI course:

Future of Computing - IBM POWER9 and beyond

by Prof. Dr. Andreas Polze, Hildegard Gerhardy, Dr. Wolfgang Maier

The 4-week course covered the following topics:

- Processor Technology and POWER Architecture
- Operating Systems - Linux, AIX, IBM i -
- Cloud Computing, heterogeneous Systems, Virtualisation and Acceleration
- New Workloads and Computing Paradigms, Blockchain and AI

The participant qualified for this confirmation by accessing more than **50%** of all learning material.

Potsdam, July 8, 2019

Confirmation of Participation

Joerg Roedle

roedle@gmx.net

has participated in the following openHPI course:

Business Processes: Modeling, Simulation, Execution

by Prof. Dr. Mathias Weske

The 6-week course covered the following topics:

- Business Process Management and Modeling
- Decision Management and Modeling
- Process Analysis and Simulation
- Process Implementation and Execution

The participant qualified for this confirmation by accessing more than **50%** of all learning material.

Potsdam, July 8, 2019

Confirmation of Participation

Joerg Roedle

roedle@gmx.net

has participated in the following openHPI course:

Business Processes: Modeling, Simulation, Execution

by Prof. Dr. Mathias Weske

The 6-week course covered the following topics:

- Business Process Management and Modeling
- Decision Management and Modeling
- Process Analysis and Simulation
- Process Implementation and Execution

The participant qualified for this confirmation by accessing more than **50%** of all learning material.

Potsdam, July 8, 2019

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Simplify Integration with SAP Cloud Platform Integration Suite

Instructors: Shilpa Vij, Finny Babu, Harsh Jegadeesan,
Udo Paltzer, Divya Mary, Elisabeth Riemann,
Stephan Schluchter

This three-week online course was held from June 5 through July 4, 2019. It comprised 3-4 hours of learning effort per week.

The course covered the following topics:

- Integrate Anything Anywhere
- Orchestrate Your Scenarios
- Experience the Services in Action

Walldorf, Germany, July 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Confirmation of Participation

Thought Leaders

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP thought leaders course:

Design Thinking and Challenge Management

Instructors: Dr. Wladimir Klitschko, Anja Schneider

This course was held from May 28 through June 26, 2019, and comprised 3-4 hours of learning effort.

In this course you learned about the Challenge Management philosophy and how the combination with Design Thinking fosters innovation on an enterprise and personal level.

Walldorf, Germany, June 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

KLITSCHKO
VENTURES



openSAP
Thought
Leaders

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Evolved Web Apps with SAPUI5

Instructors: Michael Graf, Margot Wollny, Arnd vom Hofe and SAPUI5 experts

This four-week online course was held from May 8 through June 19, 2019. It comprised 5-7 hours of learning effort per week.

The course covered the following topics:

- Get Ready!
- (Re-)Discover SAPUI5 Essentials
- Accelerate Your App Development
- Finish with Quality and Style
- Simplify, Integrate, and Adapt
(These bonus lectures are not required for the final exam)

Walldorf, Germany, June 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

roedle@gmx.net

hat am folgenden openHPI Kurs teilgenommen:

Spielend Programmieren lernen (Schul-Cloud-Edition)



Prof. Dr. rer. nat. Martin von Löwis

Der Kurs setzte sich aus vier Modulen zusammen und behandelte die folgenden Themen:

- Programmieren mit der Tastatur, Formeln, Variablen und der Schildkröte (turtle graphics) - in der Programmiersprache Python
- Anwendung der bedingten Anweisung, von Schleifen und Listen
- Funktionen, Parameter und Dictionaries
- Tastatur- und Mauseingabe sowie Fehlerbehandlung

Für die Teilnahmebestätigung qualifizieren sich alle TeilnehmerInnen eines Kurses, die auf mehr als 50 % des Kursmaterials zugegriffen haben.

Potsdam, 17. Juni 2019

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Kyma – A Flexible Way to Connect and Extend Applications

Instructors: Olga Flaccus, Marco Dorn, Gaurav Abbi,
Gopi Kannappan, Ana Yankovich, Johannes Engelke

This course was held from May 8 through June 13, 2019, and comprised 2-3 hours of learning effort.

This course provided an introduction to Kyma, an open-source project designed natively on Kubernetes, and how to extend existing applications with Kyma, bringing speed and agility to your development and accelerating innovation.

Walldorf, Germany, June 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

SAP Cloud Platform Essentials (Update Q2/2019)

Instructors: Sabrina Dick, Harini Gunabalan and Jires Sahakian Khongi

This four-week online course was held from April 29 through June 4, 2019. It comprised 4-6 hours of learning effort per week.

The course covered the following topics:

- Introduction
- Your First Cloud Application
- SAP Cloud Application Programming Model
- Additional Services

Walldorf, Germany, June 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Design-Led Approach for the Intelligent Enterprise

Instructors: Sylvie Charpentier, Deepa Iyer, Dan Watters,
Julian Vanderhos

This five-week online course was held from April 9 through May 15, 2019. It comprised 2-4 hours of learning effort per week.

The course covered the following topics:

- Overview of SAP's Design-Led Approach
- Scope a Design-Led Project
- Understand Users and Derive Insights
- Design Your Enterprise Application
- Deliver a Delightful Application

Walldorf, Germany, May 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Digital Supply Chain – From Design to Operate

Instructors: Hala Zeine, Rüdiger Kreuzholz, Mark Landrosh,
Renato Zadro, Tod Stenger, Mike Lackey,
Markus Rosemann, Patrick Crampton-Thomas

This course was held from April 10 through May 9, 2019 and comprised 2-3 hours of learning effort.

The course provided an introduction on how important the intelligent digital supply chain is for transforming the vision of the Intelligent Enterprise into reality.

Walldorf, Germany, May 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has successfully completed the following openSAP curriculum:
Digital Transformation Track

This track was held in 2019, and required the successful completion of six openSAP courses.

- Leadership in Digital Transformation
- SAP Leonardo – Enabling the Intelligent Enterprise
- SAP Leonardo IoT for the Intelligent Enterprise
- SAP Leonardo – An Introduction to Blockchain
- Enterprise Machine Learning in a Nutshell
- Information Security Management in a Nutshell

The certificate proves that the graduate has learned the basics of digital transformation, from defining technological innovations to leadership in the age of digital transformation.



Dr. Bernd Welz
Executive Vice President and
Chief Knowledge Officer
SAP SE



Mark Raben
Chief Technology Officer
Middle & Eastern Europe
SAP SE

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Walldorf, Germany, April 30, 2019



Verify online: <https://open.sap.com/verify/xekac-kufyl-refam-bymyh-humuh>



Teilnahmebestätigung

Joerg Roedle

roedle@gmx.net

hat am Kurs

Technologie, Strategie und Leadership

von **Prof. Dr.-Ing. Dieter Spath** (acatech)
und **Prof. Jörg Rocholl** (ESMT Berlin)
teilgenommen.

Der dreiwöchige Kurs bestand aus folgenden Einheiten:

- Strategie, Organisation und Kultur
- Talente im Digitalen Zeitalter
- Führungskompetenzen im digitalen Wandel

Durch den Zugriff auf mindestens 50 Prozent der Lernmaterialien hat die Teilnehmerin/der Teilnehmer die Voraussetzung für den Erhalt dieser Bescheinigung erfüllt.

Berlin, 17. April 2019

Confirmation of Participation

Thought Leaders

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP thought leaders course:

People Analytics and Evidence-Based Management

Instructors: Prof. Dr. Torsten Biemann, Dr. Sabine Staritz and
Chris Kaibel

This three-week Thought Leaders course, created in cooperation with the University of Mannheim and Mannheim Business School, was held from March 19 through April 17, 2019. It comprised 2-4 hours of learning effort per week.

The course covered the following topics:

- Introduction to People Analytics
- People Analytics Use Cases
- Getting Started with People Analytics

Walldorf, Germany, April 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

roedle@gmx.net

hat teilgenommen an:

Patentrecht: So schützen Sie Ihre Innovation

von Dr. Jakob Valvoda, Prof. Dr. Christian Czychowski

Der dreiwöchige Kurs bestand aus den folgenden Einheiten:

- Einführung in gewerbliche Schutzrechte
- Arten gewerblicher Schutzrechte
- Kriterien für die Patentierung von Erfindungen
- Patentfähigkeit von künstlicher Intelligenz
- Patentierungsstrategie
- Prüfung durch das Deutsche Patent- und Markenamt sowie das Europäische Patentamt

Durch den Zugriff auf mindestens 50% der Lernmaterialien hat der Teilnehmer/die Teilnehmerin die Voraussetzung für den Erhalt dieser Bescheinigung erfüllt.

Potsdam, am 08.04.2019

Joerg Roedle

roedle@gmx.net

hat teilgenommen an:

Blockchain - Sicherheit auch ohne Trust Center

von Prof. Dr. Christoph Meinel

Der zweiwöchige Kurs bestand aus den folgenden Einheiten:

- Einführung: Grundidee von Bitcoin und Blockchain
- Zentralisierte und verteilte Systeme
- Konsistenz von verteilten Systemen
- Fehlermodelle in verteilten Systemen
- Problem der byzantinischen Generäle und Sybil-Angriff
- Sicherheit durch Nakamoto Konsens
- Blockchain-Struktur am Beispiel vom Bitcoin-System
- Ethereum Smart Contracts
- Blockchain-Typen (public, permissioned, permissionless)

Durch den Zugriff auf mindestens 80% der Lernmaterialien hat der Teilnehmer die Voraussetzung für den Erhalt dieser Bescheinigung erfüllt.

Potsdam, 5. April 2019

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Upgrade2Success – Making SAP ERP HCM Migration Easier

Instructor: Wim Valstar

This course was held from February 12 through March 13, 2019, and comprised 3-4 hours of learning effort.

This course provided an overview of what you need to move from your on-premise SAP ERP HCM solution to the cloud.

Walldorf, Germany, March 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

SAP Sales Cloud – An Overview

Instructors: Marco Flores , Simon Dechent , Nikhil Betigeri,
Akash Winny, Ruchi Verma

This four-week online course was held from February 5 through March 13, 2019. It comprised 3-4 hours of learning effort per week.

The course covered the following topics:

- Introduction
- Sales Automation
- Sales Execution
- Commissions and Subscription Billing

Walldorf, Germany, March 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Reimagine Customer Experience with SAP C/4HANA

Featuring SAP Customer Experience Experts for SAP C/4HANA

This course was held from January 22 through March 6, 2019, and comprised 2-3 hours of learning effort.

This course covered the SAP Customer Experience solutions that help brands build long-term competitive differentiation and brand loyalty through customer experiences . It provided an understanding of how SAP C/4HANA and its specific cloud offerings empowers employees across all LoBs to better connect with and serve customers.

Waldorf, Germany, March 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

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has participated in the following openSAP course:

Freedom of Data with SAP Data Hub


Instructors: Tobias Koebler, Christian Sengstock, Ulrich Christ

This six-week online course was held from January 15 through March 6, 2019. It comprised 3-4 hours of learning effort per week.

The course covered the following topics:

- SAP Data Hub Overview & Introduction
- Architecture & Deployment
- Landscape Management & Administration
- Metadata Management & Catalog
- Data-Driven Data Pipelines
- Outlook & Future Concepts

Walldorf, Germany, March 2019



openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

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hat teilgenommen an:

Digitale Identitäten - Wer bin ich im Netz?

von Prof. Dr. Christoph Meinel

Der zweiwöchige Kurs bestand aus den folgenden Inhalten:

- Arten von Identitätsmanagement (IdM)
- Technologien, Protokolle und Standards des IdM
- Authentifizierung von Identitäten
- Angriffe auf Identitäten
- Passwortsicherheit

Durch den Zugriff auf mindestens 80 % der Lernmaterialien hat der Teilnehmer/die Teilnehmerin die Voraussetzung für den Erhalt dieser Bescheinigung erfüllt.

Potsdam, 1. März 2019

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP course:

Software Development on SAP HANA (Update Q1/2019)

Instructors: Thomas Jung and Rich Heilman

This three-week online course was held from January 23 through February 21, 2019. It comprised 4-5 hours of learning effort per week.

The course covered the following topics:

- What's New in SAP HANA 2.0 SPS 03
- New Programming Model
- Open Technologies and Concepts

Walldorf, Germany, February 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

E-mail: roedle@gmx.net

has participated in the following openSAP thought leaders course:

How Social Enterprises Enhance Corporate Supply Chains

Instructors: Leading experts from social enterprises and social procurement

This four-week thought leaders course was held from January 22 through February 20, 2019. It comprised 4 hours of learning effort per week.

The course covered the following topics:

- Discovering Social Procurement
- Method and Measurement
- Global Experiences
- Broader Perspectives

Walldorf, Germany, February 2019

openSAP is SAP's platform for open online courses. It supports you in acquiring knowledge on key topics for success in the SAP ecosystem.

Joerg Roedle

roedle@gmx.net

hat teilgenommen an:

Datensicherheit im Netz - Einführung in die Informationssicherheit

von Prof. Dr. Christoph Meinel

Der zweiwöchige Kurs bestand aus den folgenden Einheiten:

- Sicherheitsziele im Internet
- Grundlagen der Symmetrischen und Asymmetrischen Kryptographie
- Vor- und Nachteile der beiden Verschlüsselungstechniken
- Hybride Verschlüsselung
- Kryptoprotokolle zur Signatur und zur Verschlüsselung
- Mögliche Angriffe auf diese Kryptoprotokolle
- Vertrauensmodelle und Public-Key Infrastrukturen
- Digitale Zertifikate

Durch den Zugriff auf mindestens 80% der Lernmaterialien hat der Teilnehmer die Voraussetzung für den Erhalt dieser Bescheinigung erfüllt.

Potsdam, 30. Januar 2019