DASSAULT SYSTEMES | The 3DEXPERIENCE® Company

SIMULIA

3DEXPERIENCE

2016 CALENDAR





POWER INNOVATION WITH THE SIMULIA PORTFOLIO

Today's simulation users require more than just technology. You need a way to capture and leverage the knowledge you gain through simulation throughout your company, to communicate the value more fully and to bring simulation to bear on a much wider array of problems facing industry today.

As an integral part of the Dassault Systèmes **3D**EXPERIENCE® platform, the products in the SIMULIA portfolio provide users with expanded capabilities to simulate product performance as well as to improve and to virtually validate product designs so they are optimal and durable:

- **Abaqus**—market-leading technology that provides a complete suite of features for solving multiphysics problems
- **Tosca**—optimization technology enables engineers to take full advantage of any improvement potential while leveraging advanced simulation capabilities
- **fe-safe**—technical leader in fatigue analysis software for finite element models
- **Isight**—Design-of-Experiments, parameter optimization and process capture enabling the entire simulation sequence to be re-used
- **Simpack**—simulate the nonlinear motion of any mechanical or mechatronic systems
- **Simpoe-Mold**—predict and avoid manufacturing defects during the earliest stages of part and mold design

This calendar, along with our SIMULIA Community News (SCN) magazine and the abundance of papers presented at Science in the Age of Experience (previously SIMULIA Community Conference) and Regional User Meetings, clearly demonstrate how you and others in our community are adding value to your industries and creating a wealth of benefits for our society.

Eager to learn something new or refresh your skills? Head to the SIMULIA Learning Community and watch replays from previous eSeminars, gain access to training and tips or read the latest SCN magazine.

Learn more at www.3ds.com/slc.

SIMULIA COMMUNITY CONFERENCE IS NOW SCIENCE IN THE AGE OF EXPERIENCE

The simulation world is changing. Analysts are being tasked to do more than just solve; they are being asked to innovate. At SIMULIA, we recognize this shift and are excited to explore the changes at **Science in the Age of Experience**, (formerly SIMULIA Community Conference).

Science in the Age of Experience will take place at the Marriott Copley Place in Boston on May 23-25, 2016. SIMULIA is teaming with BIOVIA, formerly called Accelrys, to present this new event in one venue. It will feature an expanded simulation program that delivers more of what our users have always loved about the SCC, as well as significant new content, including:

- New capabilities and enhancements to Abaqus and the entire SIMULIA portfolio
- Greater connections to simulation trends and industry thought leadership
- Latest on material modeling, additive manufacturing and advanced composite applications
- General lectures, hands-on training, meet-the-expert sessions—all of the content you have enjoyed at previous SCCs—and more!

We look forward to seeing you in Boston next May.

PRESENTER DEADLINES

December 11, 2015	Abstract Deadlines
January 8, 2016	Preliminary Acceptance
February 26, 2016	Draft Manuscript Due
April 29, 2016	Presentations Due

For more information, visit www.3ds.com/scienceintheageofexperience.



YAMAHA MOTOR CO., LTD
SIMULATION HELPS YAMAHA KEEP
OFF-ROAD MOTORCYCLES RUNNING COOL
3ds.com/simulia

TRAINING SPOTLIGHT

Abaqus/Explicit: Advanced Topics

- The explicit dynamics method
- Adaptive meshing
- Automatic mass scaling for impact problems

3ds.com/simulia-training

JANUARY 2016

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
	28	29	30	31	1	2	3
WEEK 1	4	5	6	7	8	9	10
WEEK 2	11	12	13	14	15	16	17
WEEK 3	18	19	20	21	22	23	24
WEEK 4	25	26	27	28	29	30	31

DECEMBER 2015

	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

FEBRUARY 2016

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29						

DASSAULT SYSTEMES | The 3DEXPERIENCE® Company



CLEMSON UNIVERSITY
VIRTUAL TESTING OF FULL SCALE WIND TURBINE NACELLES
SIMULIA Community News #10
3ds.com/simulia

TRAINING SPOTLIGHT

SIMPACK Basics Training

- Introduction to multibody simulation
- Topology diagrams, closed loop mechanism and constraints
- Nonlinear and linear solvers

3ds.com/simulia-training

FEBRUARY 2016

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
WEEK 5	1	2	3	4	5	6	7
WEEK 6	8	9	10	11	12	13	14
WEEK 7	15	16	17	18	19	20	21
WEEK 8	22	23	24	25	26	27	28
WEEK 9	29	MARCH 1	2	3	4	5	6

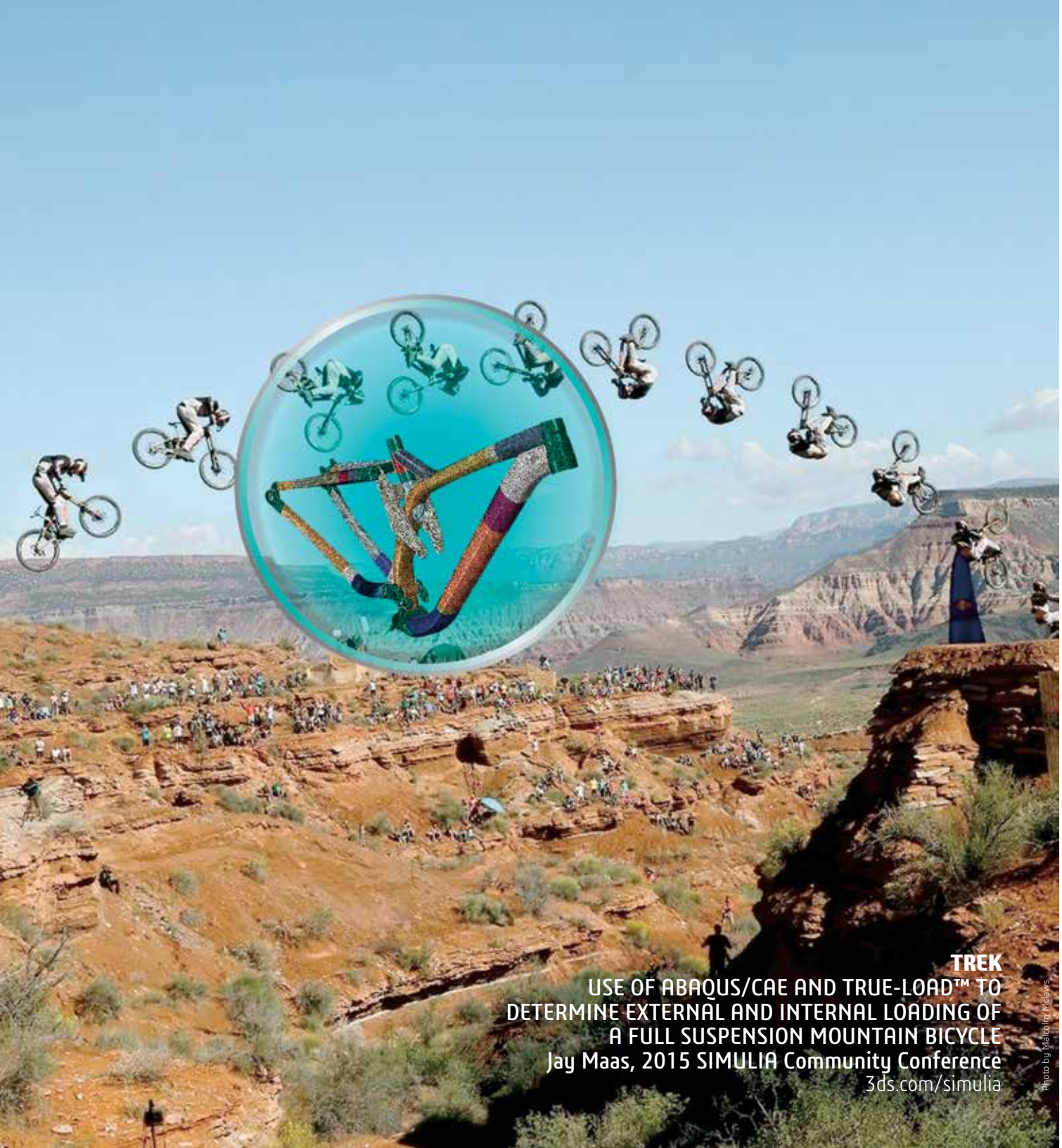
JANUARY 2016

			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

MARCH 2016

	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

DASSAULT SYSTEMES | The 3DEXPERIENCE® Company



TREK
USE OF ABAQUS/CAE AND TRUE-LOAD™ TO DETERMINE EXTERNAL AND INTERNAL LOADING OF A FULL SUSPENSION MOUNTAIN BICYCLE
Jay Maas, 2015 SIMULIA Community Conference
3ds.com/simulia

Photo by Malcolm Mclaws

TRAINING SPOTLIGHT

Introduction to Abaqus/CAE

- Creating parts using the feature-based modeler
- Importing, partitioning and meshing parts
- Managing Abaqus simulations

3ds.com/simulia-training

MARCH 2016

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
WEEK 9	29	1	2	3	4	5	6
WEEK 10	7	8	9	10	11	12	13
WEEK 11	14	15	16	17	18	19	20
WEEK 12	21	22	23	24	25	26	27
WEEK 13	28	29	30	31	APRIL 1	2	3

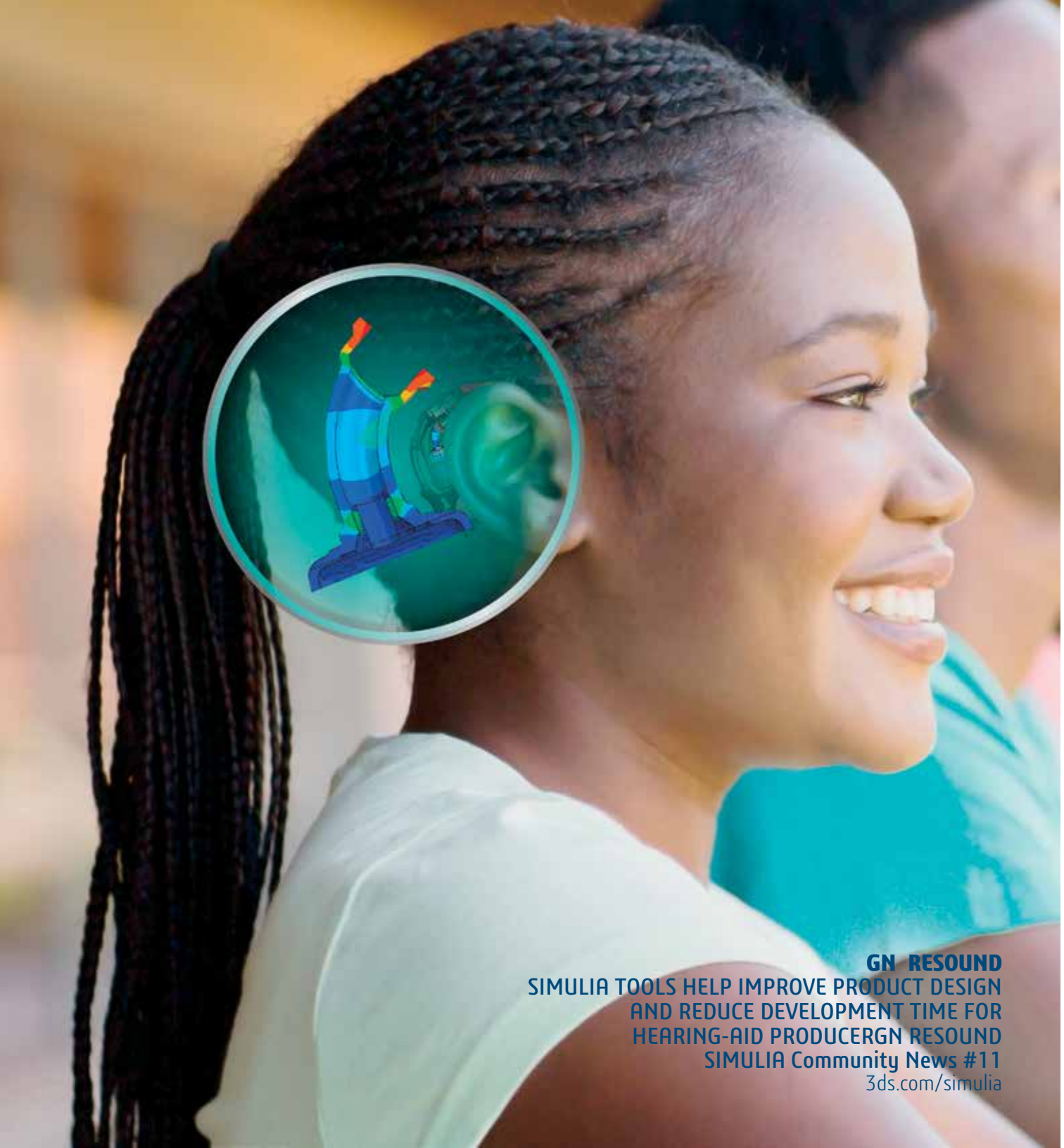
FEBRUARY 2016

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29						

APRIL 2016

				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

DASSAULT SYSTEMES | The 3DEXPERIENCE® Company



GN RESOUND
SIMULIA TOOLS HELP IMPROVE PRODUCT DESIGN AND REDUCE DEVELOPMENT TIME FOR HEARING-AID PRODUCERGN RESOUND
SIMULIA Community News #11
3ds.com/simulia

TRAINING SPOTLIGHT

Optimization with Tosca Structure

- Integration of optimization into the development process
- Solving fundamental topology, shape, sizing and bead optimization problems
- Results evaluation

3ds.com/simulia-training

APRIL 2016

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
WEEK 13	28	29	30	31	1	2	3
WEEK 14	4	5	6	7	8	9	10
WEEK 15	11	12	13	14	15	16	17
WEEK 16	18	19	20	21	22	23	24
WEEK 17	25	26	27	28	29	30	MAY 1

MARCH 2016

	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

MAY 2016

						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

DASSAULT SYSTEMES | The 3DEXPERIENCE® Company



HYUNDAI MOTOR COMPANY
STUDY ON BODY RIGIDITY, STRENGTH AND FATIGUE PERFORMANCE FOR CARBON FIBER REINFORCED PLASTICS VEHICLES
S. H. Oh and Y. N. Son, 2015 SIMULIA Community Conference
3ds.com/simulia

TRAINING SPOTLIGHT

Analysis of Composite Materials with Abaqus

- Using detailed modeling of the microscopic behavior to determine the behavior of composite materials
- Defining composite layups using Abaqus/CAE
- Modeling progressive damage and failure in composites

3ds.com/simulia-training

MAY 2016

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
WEEK 17	25	26	27	28	29	30	1
WEEK 18	2	3	4	5	6	7	8
WEEK 19	9	10	11	12	13	14	15
WEEK 20	16	17	18	19	20	21	22
	SCIENCE IN THE AGE OF EXPERIENCE						
WEEK 21	23	24	25	26	27	28	29
WEEK 22	30	31	JUNE 1	2	3	4	5

APRIL 2016

			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

JUNE 2016

		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

DASSAULT SYSTEMES | The 3DEXPERIENCE® Company



NAVISTAR
NAVISTAR USES FE-SAFE FOR THE DURABILITY ASSESSMENT OF THE CYLINDER HEAD OF N13 ENGINE AVAILABLE IN THE INTERNATIONAL® PROSTAR®
2015 fe-safe User Group Meeting
3ds.com/simulia

TRAINING SPOTLIGHT

Introduction to fe-safe

- Introduction to fatigue
- Loading methods
- Fatigue methods

3ds.com/simulia-training

JUNE 2016

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
WEEK 22	30	31	1	2	3	4	5
WEEK 23	6	7	8	9	10	11	12
WEEK 24	13	14	15	16	17	18	19
WEEK 25	20	21	22	23	24	25	26
WEEK 26	27	28	29	30	JULY 1	2	3

MAY 2016

						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

JULY 2016

				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

DASSAULT SYSTEMES | The 3DEXPERIENCE® Company



AIRBUS OPERATIONS LTD.
USE OF ABAQUS EXPLICIT FOR COMPOSITE SANDWICH IMPACT DAMAGE PREDICTION DURING BIRD IMPACT
Marwan Al-Khalil, 2015 SIMULIA Community Conference
3ds.com/simulia

TRAINING SPOTLIGHT

Modeling Extreme Deformation and Fluid Flow with Abaqus

- Introduction to the Coupled Eulerian-Lagrangian (CEL) method
- Introduction to the Smoothed Particle Hydrodynamic (SPH) method
- Contact interactions between SPH particles an element-based or analytical surface

3ds.com/simulia-training

JULY 2016

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
WEEK 26	27	28	29	30	1	2	3
WEEK 27	4	5	6	7	8	9	10
WEEK 28	11	12	13	14	15	16	17
WEEK 29	18	19	20	21	22	23	24
WEEK 30	25	26	27	28	29	30	31

JUNE 2016

		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

AUGUST 2016

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

DASSAULT SYSTEMES | The 3DEXPERIENCE® Company



FOKKER LANDING GEAR B.V.
PREDICTING IN- AND OUT-OF-PLANE
DAMAGE EVOLUTION IN FIBER-REINFORCED COMPOSITES
Wouter Wilson, 2015 SIMULIA Community Conference
3ds.com/simulia

TRAINING SPOTLIGHT

Flexible Multibody Systems with Abaqus

- Basic connector components
- Assembled kinematic connections
- Connector elasticity and failure

3ds.com/simulia-training

AUGUST 2016

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
WEEK 31	1	2	3	4	5	6	7
WEEK 32	8	9	10	11	12	13	14
WEEK 33	15	16	17	18	19	20	21
WEEK 34	22	23	24	25	26	27	28
WEEK 35	29	30	31	SEPTEMBER 1	2	3	4

JULY 2016

			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

SEPTEMBER 2016

			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

DASSAULT SYSTEMES | The 3DEXPERIENCE® Company



SUBSEA 7
INCREASING THE EFFICIENCY OF OFFSHORE RIGID PIPELINE LATERAL BUCKLING ASSESSMENTS USING A DEDICATED GUI AND ISIGHT
Carlos Charnaux, Samuel Paul, and Graeme Roberts,
2015 SIMULIA Community Conference
3ds.com/simulia

TRAINING SPOTLIGHT

Introduction to Isight

- Design Gateway
- Application components: Abaqus, Calculator, Simcode, etc.
- Process components: Loop, Design Of Experiments (DOE), Optimizaton, etc.

3ds.com/simulia-training

SEPTEMBER 2016

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
WEEK 35	29	30	31	1	2	3	4
WEEK 36	5	6	7	8	9	10	11
WEEK 37	12	13	14	15	16	17	18
WEEK 38	19	20	21	22	23	24	25
WEEK 39	26	27	28	29	30	OCTOBER 1	2

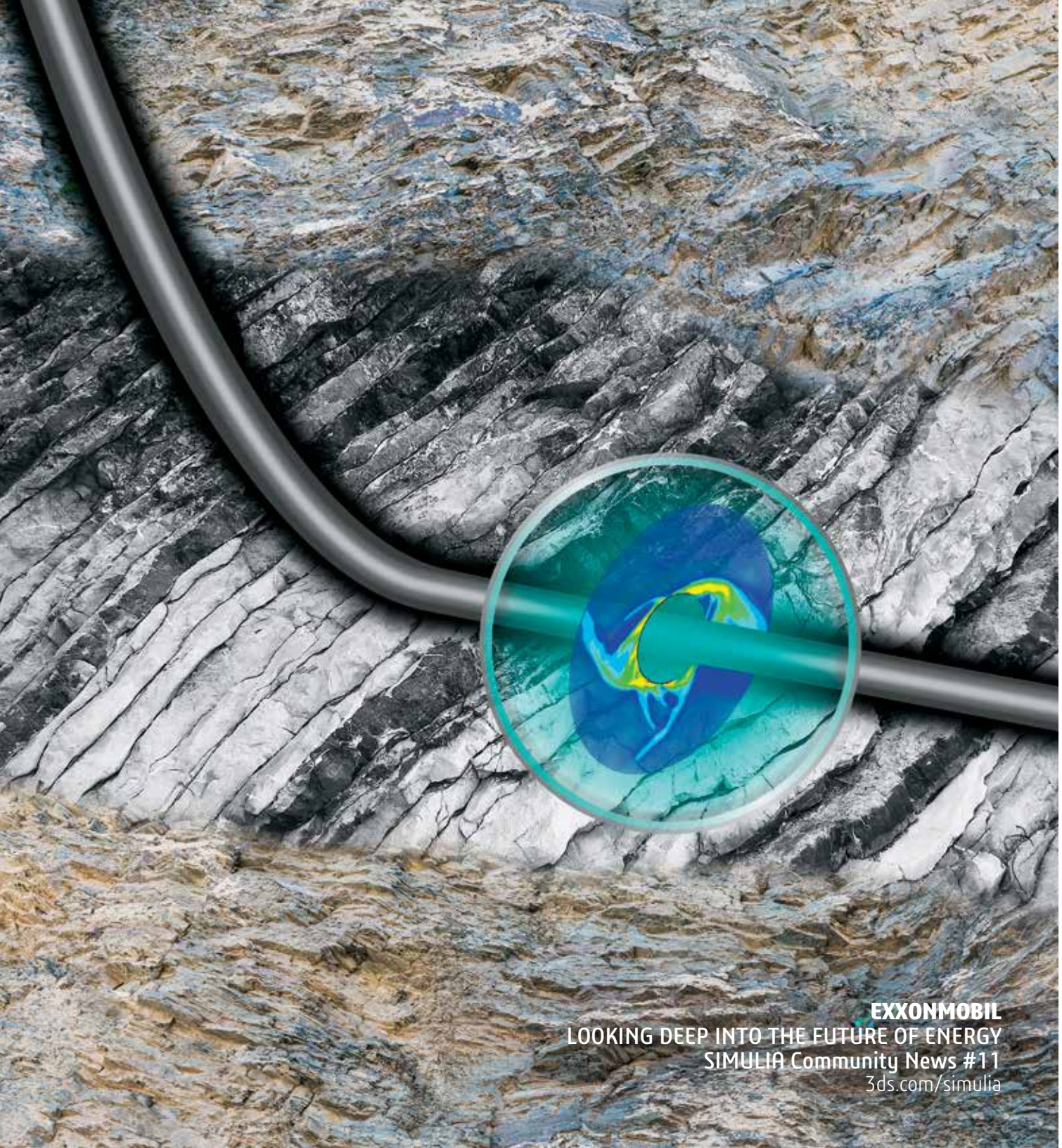
AUGUST 2016

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

OCTOBER 2016

					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

DASSAULT SYSTEMES | The 3DEXPERIENCE® Company



EXXONMOBIL
LOOKING DEEP INTO THE FUTURE OF ENERGY
SIMULIA Community News #11
3ds.com/simulia

TRAINING SPOTLIGHT

Analysis of Geotechnical Problems with Abaqus

- Overview of modeling geotechnical problems
- Calibration of constitutive models for geotechnical materials
- Coupling between fluid flow and stress/deformation in the analysis of porous media

3ds.com/simulia-training

OCTOBER 2016

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
WEEK 39	26	27	28	29	30	1	2
WEEK 40	3	4	5	6	7	8	9
WEEK 41	10	11	12	13	14	15	16
WEEK 42	17	18	19	20	21	22	23
WEEK 43	24	25	26	27	28	29	30
WEEK 44	31	NOVEMBER 1	2	3	4	5	6

SEPTEMBER 2016

		1	2	3	4	
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

NOVEMBER 2016

	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

DASSAULT SYSTEMES | The 3DEXPERIENCE® Company



JAGUAR LAND ROVER
AUTOMATED ANALYSIS IN CATIA V5
Stephan Wallis, 2015 SIMULIA Community Conference
3ds.com/simulia

Photo by Jaguar MENA

TRAINING SPOTLIGHT

Introduction to Abaqus for CATIA V5

- Integration of AFC with CATIA V5
- Loads, boundary conditions and fields
- Model, assembly and part properties
- Contact

3ds.com/simulia-training

NOVEMBER 2016

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
WEEK 44	31	1	2	3	4	5	6
WEEK 45	7	8	9	10	11	12	13
WEEK 46	14	15	16	17	18	19	20
WEEK 47	21	22	23	24	25	26	27
WEEK 48	28	29	30	DECEMBER 1	2	3	4

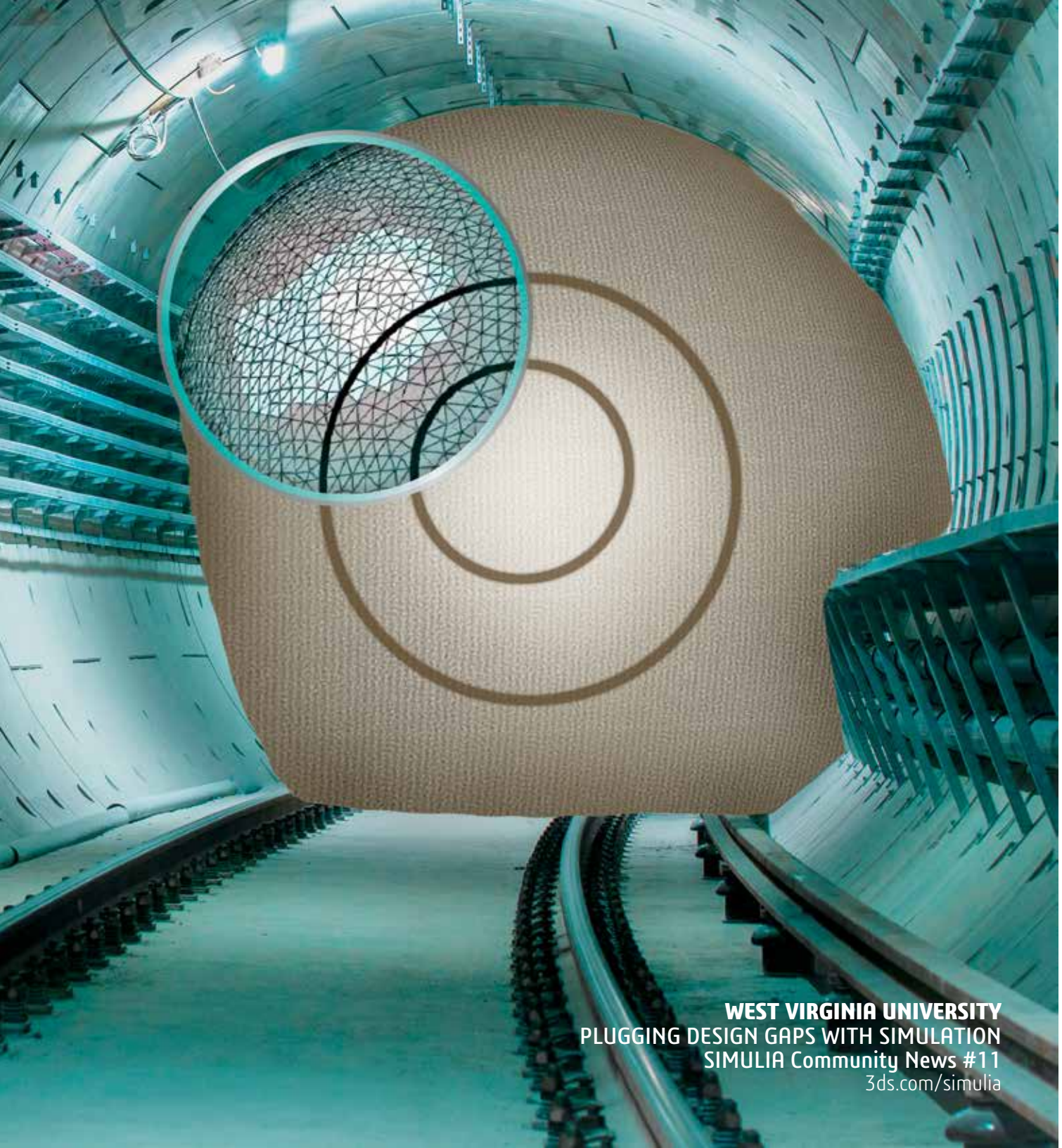
OCTOBER 2016

					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

DECEMBER 2016

			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

DASSAULT SYSTEMES | The 3DEXPERIENCE® Company



WEST VIRGINIA UNIVERSITY
PLUGGING DESIGN GAPS WITH SIMULATION
SIMULIA Community News #11
3ds.com/simulia

TRAINING SPOTLIGHT

Introduction to Abaqus/Standard and Abaqus/Explicit

- Fundamental modeling techniques and input syntax
- Adaptive load incrementation and convergence criteria
- Linear elasticity and metal plasticity

3ds.com/simulia-training

DECEMBER 2016

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
WEEK 48	28	29	30	1	2	3	4
WEEK 49	5	6	7	8	9	10	11
WEEK 50	12	13	14	15	16	17	18
WEEK 51	19	20	21	22	23	24	25
WEEK 52	26	27	28	29	30	31	JANUARY 1

NOVEMBER 2016

	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

JANUARY 2017

						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

DASSAULT SYSTEMES | The 3DEXPERIENCE® Company

Our **3D**EXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3D**EXPERIENCE® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 190,000 customers of all sizes in all industries in more than 140 countries. For more information, visit **www.3ds.com**.



DASSAULT SYSTEMES | The **3D**EXPERIENCE® Company

Americas
Dassault Systèmes
175 Wyman Street
Waltham, Massachusetts
02451-1223
USA

Europe/Middle East/Africa
Dassault Systèmes
10, rue Marcel Dassault
CS 40501
78946 Vélizy-Villacoublay Cedex
France

Asia-Pacific
Dassault Systèmes K.K.
ThinkPark Tower
2-1-1 Osaki, Shinagawa-ku,
Tokyo 141-6020
Japan

©2016 Dassault Systèmes. All rights reserved. **3DEXPERIENCE®**, the Compass icon and the 3DS logo, CATIA, SOLIDWORKS, ENOVIA, DELMIA, SIMULIA, GEOVIA, EXALEAD, 3D VIA, 3DSWYM, BIOVIA, NETVIBES, and 3DEXCITE are commercial trademarks or registered trademarks of Dassault Systèmes or its subsidiaries in the U.S. and/or other countries. All other trademarks are owned by their respective owners. Use of any Dassault Systèmes or its subsidiaries trademarks is subject to their express written approval.