




Agenda Review

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GRANTA
MATERIAL INTELLIGENCE
www.grantadesign.com



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The AutoMatIc Process

	Roadmap	GRANTA MI	Industry report	Technical projects
Autumn meeting	Understand top Epics Add/remove/modify Epics	Demo latest/ upcoming features	Review draft report and self assessment poll results	Report on previous year's projects Agree technical project(s) for coming 12 months
Interim	Update roadmap Agenda vote	Major release Development starts for next release	Final report published	Projects in progress
Spring meeting	Detailed discussion of stories in top epics Add new stories	Report: How has AutoMatIc influenced plan for next MI release?	Review poll structure	Progress report on active project(s)
Interim	Agenda vote Story vote: prioritize stories within top epics	Ongoing development	Self assessment poll	Projects in progress

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Agenda vote

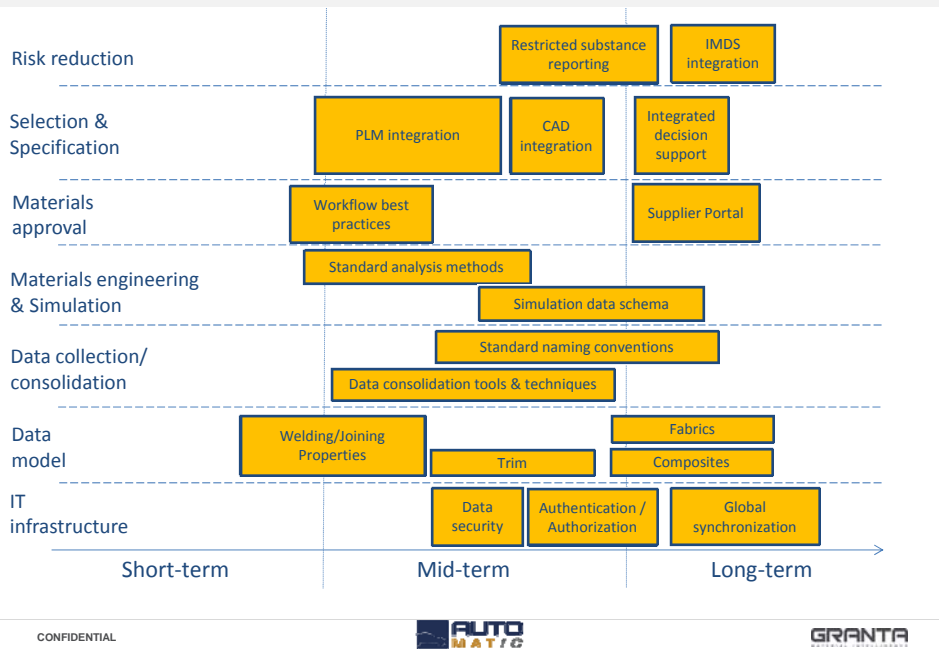
Data management	Automating workflows	T4	5
Materials approval	Approval workflows	T4	5
Materials engineering	Capturing knowledge and expertise	T2	4
Simulation	Data provision for simulation	T1	4
Selection & specification	Materials selection / recommendation tools	T5	4
IT infrastructure	Global synchronization	T2	3
Data management	Collection of legacy data	T2	3
Simulation	Shared exporter development within AutoMatIc	Tech proj review	3
Selection & specification	PLM integration	T3	3
IT infrastructure	Data security	T2	2
Data model	Standard schema for adhesives/lubricants	Tech proj review	2
Data model	Standard schema for fabric materials	Tech proj review	2
Data management	Collection of future data	T2	2
Data management	Standardization of data	T2	2
Selection & specification	CAD integration	T3	2
IT infrastructure	Logging user activity	Software update	1
Data model	Standard schemas for wear/tribology		1
Data model	Standard schema for lightweight alloys	Tech proj review	1
Materials approval	Using GRANTA MI across the supply chain		1
other	<i>Material data extraction from CAE model and comparison with database</i>		<i>T1</i> 1

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AutoMatIc roadmap



Epics and Stories

'Stories'

Story description	Total
The tool should make sure users of fitted curves can see the original data to understand why the particular fit was chosen	105
The analysis tool should allow the user to interact with the curves during the workflow - not just a black box	65
I want a tool to fit curves through data and generate fit parameters, e.g. polynomials, power laws, etc.	52
Capturing the traceability and history of what analysis you've done - so the analysis can be repeated at a later date	42
I want a tool to smooth noisy data	40
I want a tool to perform averaging operations on sets of data	37
The workflow should generate summary reports - e.g. statistical summaries of curves - and write these back to the database	37
I want a tool to extrapolate new data from existing data	20
I want a tool to help with the identification and/or removal of outliers from a set of data	20
The tool should allow the user to pick the points on a curve to use for a multi-point model, e.g. select more points in an area of interest	20
Analysis processes should capture additional metadata, e.g. max, min, mean, standard deviation, etc. and write these back to the database	17
I want a tool to break a curve into different sections and apply different models to different sections	15
A tool to check certain criteria are met, e.g. curves must be monotonic increasing etc. - is it a valid curve?	15
The analysis tool should allow for more than one analysis option e.g. different fatigue fits depending on the data - not just a black box	15
I want a tool to derive damage model parameters for a material	0

'Epic'

Standard analysis methods

Agenda – day 1

Time	Duration	Session	Session Lead
9:00 AM	00:20	Welcome	Patrick Coulter
9:20 AM	00:15	Agenda review / minutes from last meeting	Dan Williams
9:35 AM	01:00	Software update / demonstration	Dan Williams
10:35 AM	00:15	Coffee break	
10:50 AM	00:30	Member update 1	PSA
11:20 AM	01:00	Technical session 1 - Simulation	Pete Cherns
12:20 PM	01:00	Lunch	
1:20 PM	00:25	State of Industry Report	Dan Williams
1:45 PM	00:30	Member update 2	Honeywell
2:15 PM	01:00	Technical session 2 - Data and Knowledge management	Dan Williams
3:15 PM	00:15	Coffee break	
3:30 PM	00:30	Member update 3	GM
4:00 PM	01:00	Technical session 3 - PLM integration	Arthur Fairfull
5:00 PM		Adjourn	
7:00 PM		Consortium Dinner - Walton Hall, Directors' Suite	

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Agenda – day 2

Time	Duration	Session	Session Lead
9:00 AM	00:30	Member update 4	KSPG
9:30 AM	01:00	Technical session 4 - Workflow	Dan Williams
10:30 AM	00:20	Coffee break	
10:50 AM	01:00	Technical Project session: Welding & Joining	Fatih Cetin
11:50 AM	00:30	Member update 5	JLR
12:20 PM	01:00	Lunch	
1:20 PM	01:00	Technical session 5 - Material selection/recommendation	Arthur Fairfull
2:20 PM	00:15	Technical projects / shared development	Dan Williams
2:35 PM	00:25	Consortium process review; next meeting	Dan Williams
3:00 PM		Adjourn - opportunity to visit Motor Museum	

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