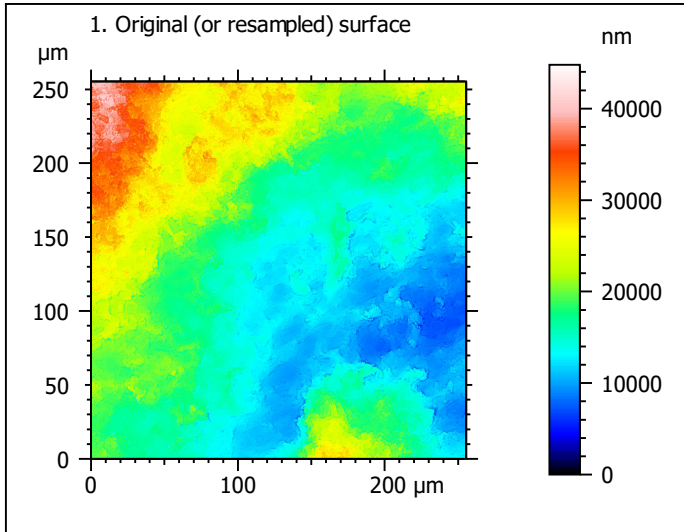


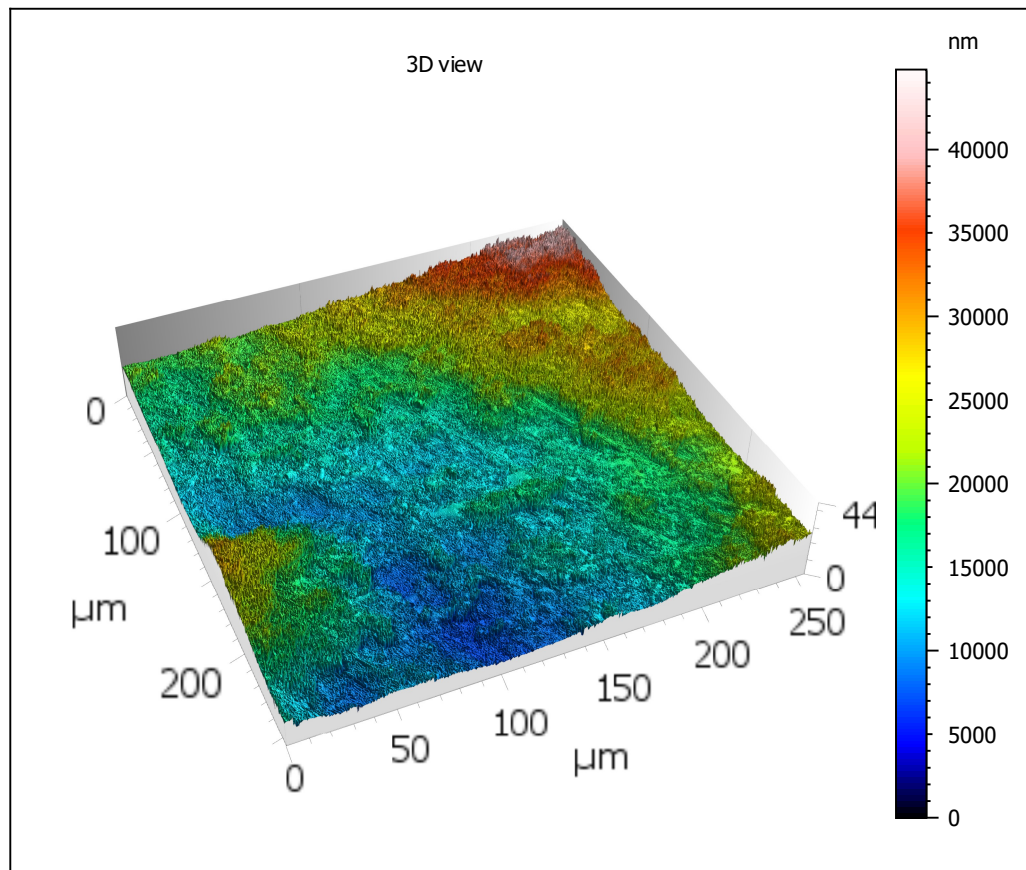
### Template - Processing analysis

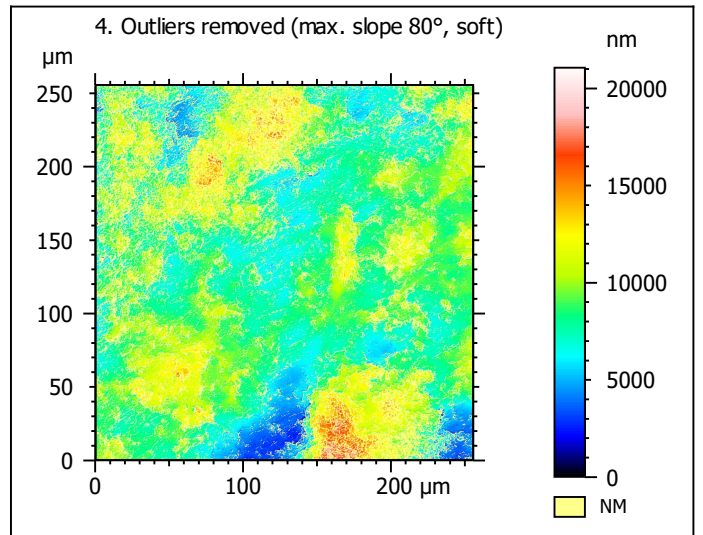
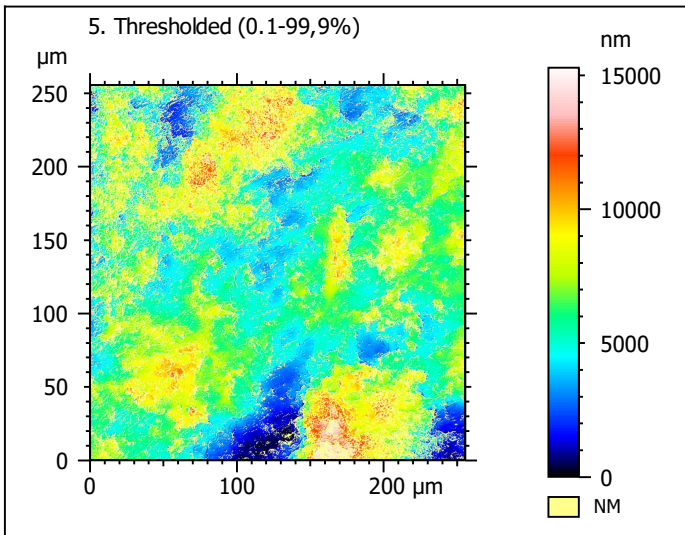
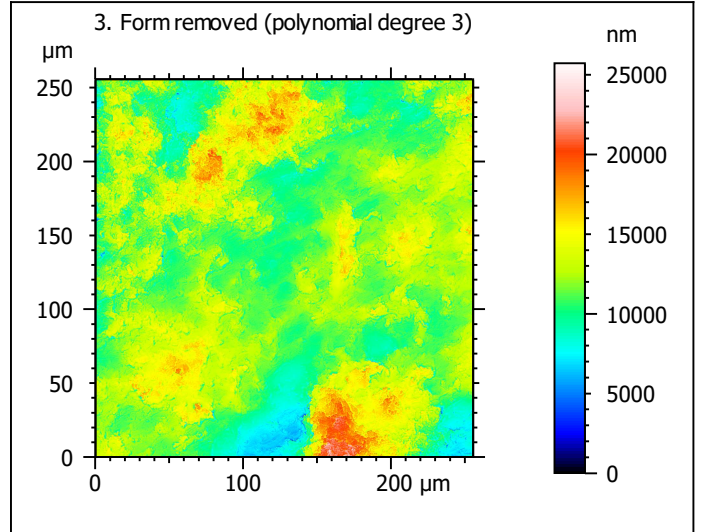
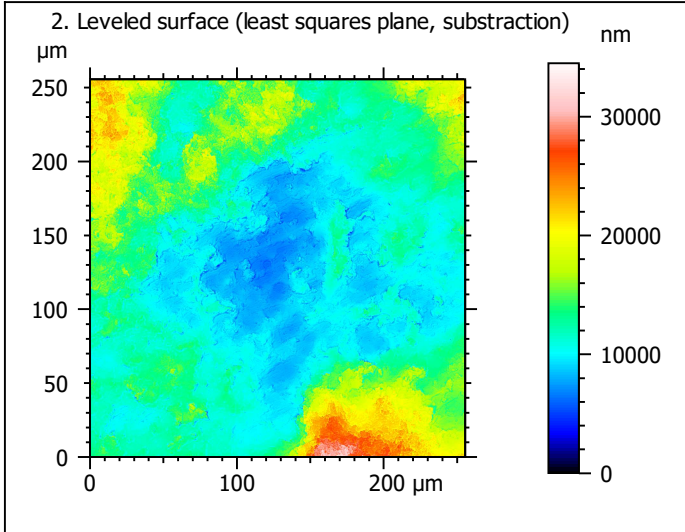
Template to process all surfaces acquired with the LSM with the 50x/0.75 and 50x/0.95 objectives.

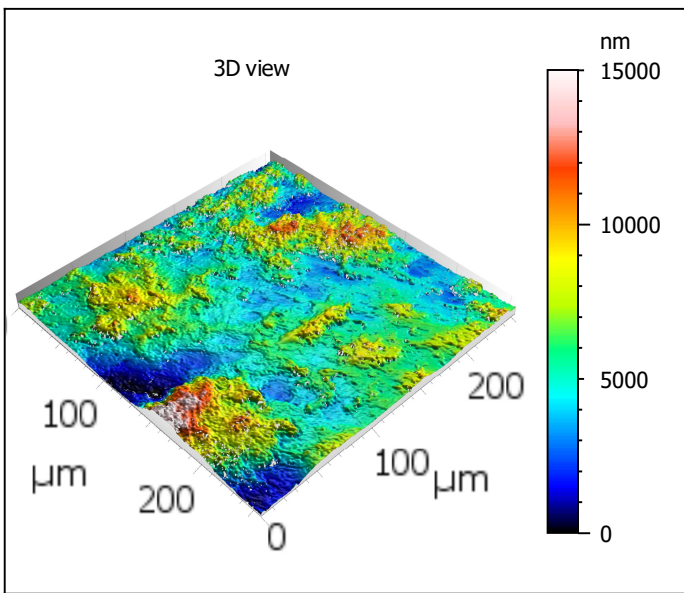
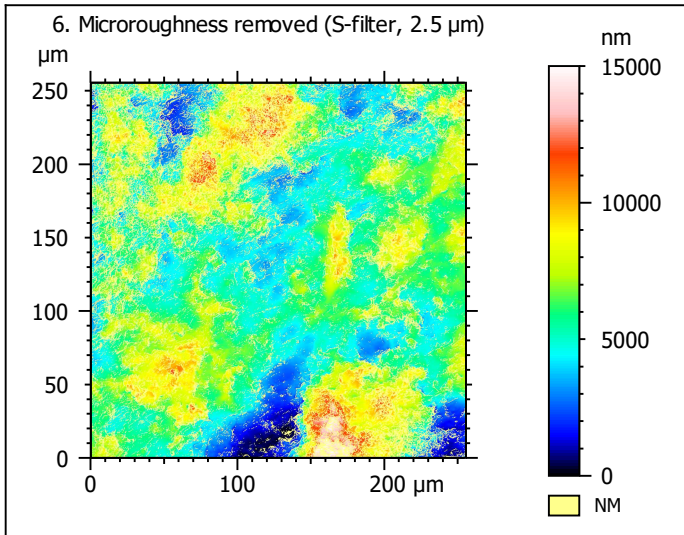
### Processing



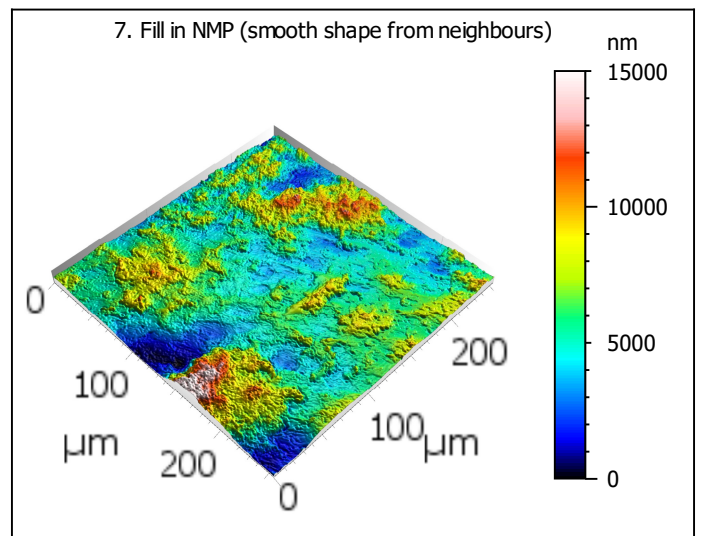
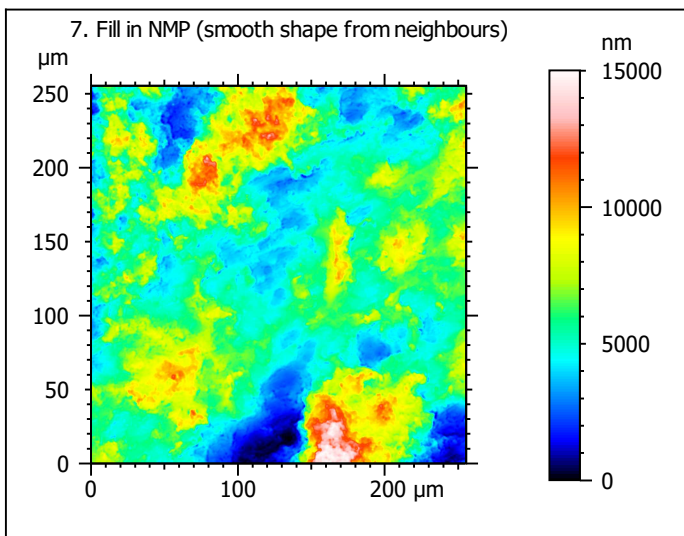
Identity card		
Name:	Lime3-9_LSM_50x075_suf2_Topo	
Created on:	6/24/2020 2:22:16 PM	
Studiabile type:	Surface	
<b>Axis:</b>	<b>X</b>	
Length:	255.5	μm
Size:	3000	points
Spacing:	0.08519	μm
<b>Axis:</b>	<b>Y</b>	
Length:	255.5	μm
Size:	3000	points
Spacing:	0.08519	μm
<b>Axis:</b>	<b>Z</b>	
Layer type:	Topography	
Length:	44786	nm
Size:	65532	digits
Spacing:	0.6834	nm
NM-points ratio:	0.000 % (0 Pts)	







Identity card			
Name:	Lime3-9_LSM_50x075...filtered ( $\lambda_s$ 2.500 $\mu\text{m}$ )		
File path:	C:\Us...\Lime3-9_LSM_50x075_suf2_Topo.sur		
Created on:	6/24/2020 2:22:16 PM		
Studiable type:	Surface		
<b>Axis:</b>	<b>X</b>		
Length:	255.5	$\mu\text{m}$	
Size:	3000	points	
Spacing:	0.08519	$\mu\text{m}$	
Offset:	0.000	$\mu\text{m}$	
<b>Axis:</b>	<b>Y</b>		
Length:	255.5	$\mu\text{m}$	
Size:	3000	points	
Spacing:	0.08519	$\mu\text{m}$	
Offset:	-255.5	$\mu\text{m}$	
<b>Axis:</b>	<b>Z</b>		
Layer type:	Topography		
Length:	15003	nm	
Min:	-5915	nm	
Max:	9088	nm	
Size:	219525	digits	
Spacing:	0.06834	nm	
NM-points ratio:	28.12 % (2530730 Pts)		

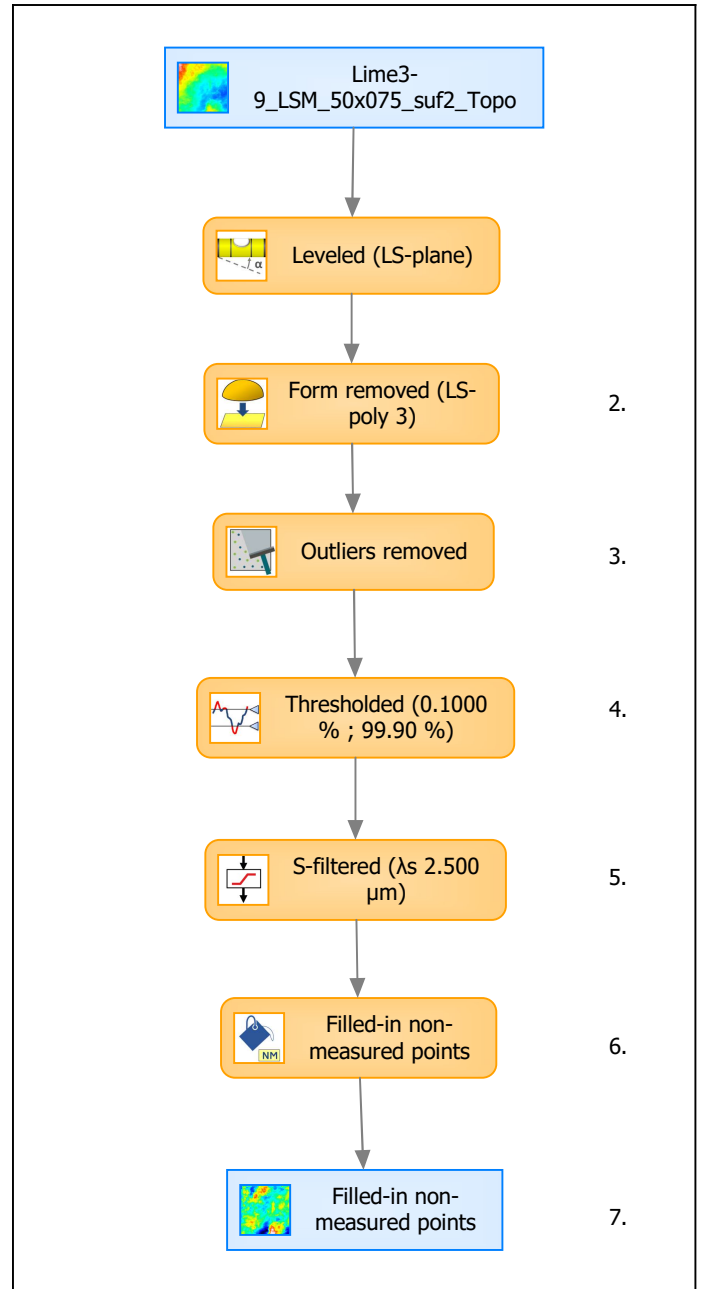


Identity card			
Name:	Lime3-9_LSM_50x075_s...in non-measured points		
Created on:	6/24/2020 2:22:16 PM		
Studiable type:	Surface		
<b>Axis: X</b>			
Length:	255.5	μm	
Size:	3000	points	
Spacing:	0.08519	μm	
<b>Axis: Y</b>			
Length:	255.5	μm	
Size:	3000	points	
Spacing:	0.08519	μm	
<b>Axis: Z</b>			
Layer type:	Topography		
Length:	15003	nm	
Size:	219525	digits	
Spacing:	0.06834	nm	
NM-points ratio:	0.000 % (0 Pts)		

### Analyses

#### 8. ISO 25178-2 parameters on surface #7

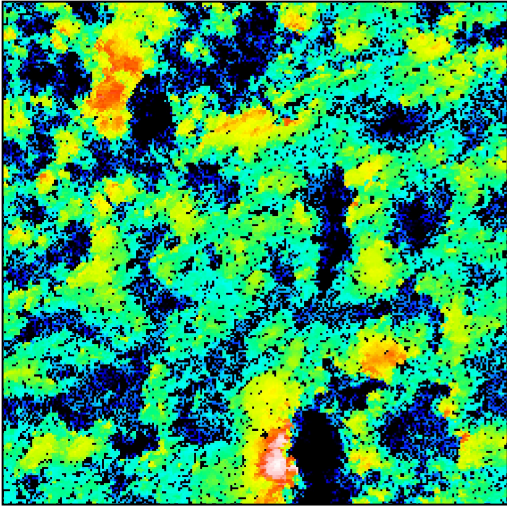
ISO 25178 - Primary surface			
<i>F: [Workflow] Form removed (LS-poly 3)</i>			
<i>S-filter (λs): [Workflow] S-filtered (λs 2.500 μm)</i>			
Height parameters			
Sq	2114	nm	
Ssk	0.5340		
Sku	4.361		
Sp	9032	nm	
Sv	5971	nm	
Sz	15003	nm	
Sa	1597	nm	
Functional parameters			
Smr	0.3638	%	
Smc	2645	nm	
Sxp	3958	nm	
Spatial parameters			
Sal	21.26	μm	
Str	0.3001		
Std	39.50	°	
Hybrid parameters			
Sdq	0.6772		
Sdr	16.77	%	
Functional parameters (Volume)			
Vm	0.1485	μm <sup>3</sup> /μm <sup>2</sup>	
Vv	2.793	μm <sup>3</sup> /μm <sup>2</sup>	
Vmp	0.1485	μm <sup>3</sup> /μm <sup>2</sup>	
Vmc	1.651	μm <sup>3</sup> /μm <sup>2</sup>	
Vvc	2.569	μm <sup>3</sup> /μm <sup>2</sup>	
Vvv	0.2241	μm <sup>3</sup> /μm <sup>2</sup>	



Analyses:	
ISO 25178	8.
Furrow	9.
Texture direction	10.
Texture isotropy	11.
SSFA	12.



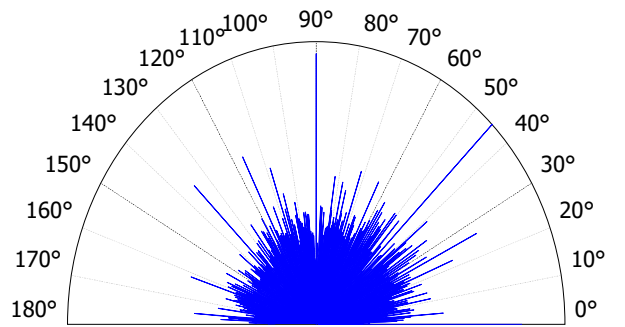
9. Furrow analysis on surface #7



All furrows are shown.

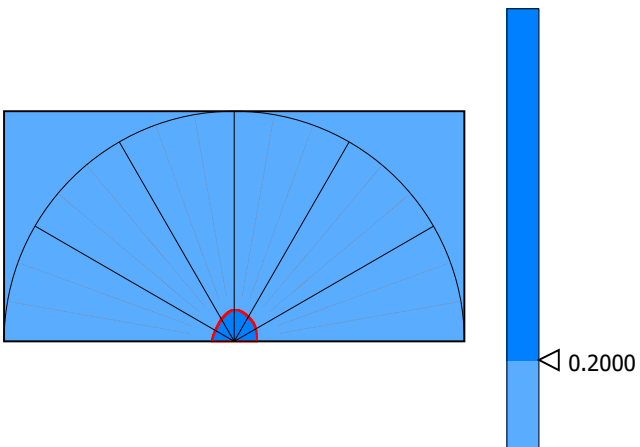
Parameters	Value	Unit
Maximum depth of furrows	7200	nm
Mean depth of furrows	2434	nm
Mean density of furrows	4866	cm/cm2

10. Texture direction on surface #7



Parameters	Value	Unit
First direction	45.00	°
Second direction	89.99	°
Third direction	0.004873	°

11. Texture isotropy on surface #7



Parameters	Value	Unit
Isotropy	68.97	%

12. SSFA on surface #7

