An Example of a 25 slide Presentation that lost the

audience, because: (NOTE: this is a completely fictitious subject, authorship and presentation, but there have been attempted Presentations like this at the IEE Holm Conference)

- 1) Too many slides: 25
- 2) Too much information on each slide: no time to read and to listen
- 3) Too much detail: main points lost
- 4) Too many slides that do not add, but detract from the presentation
- 5) Impossible to present all of this in 15 minutes. There will be no time for questions. In fact the talk will go over the 20 minute allotted time: bad manners for the rest of the conference presenters.
- 6) One major purpose of a Conference presentation is to have the question and answer session after each talk

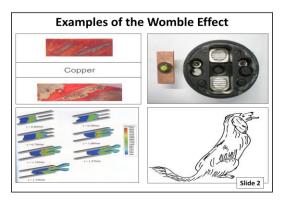
This paper should have been considered a landmark paper on the "Womble" effect in electrical contacts. The paper itself gives new directions for experimental study of this effect and has very detailed experimental results and some interesting discussion and conclusions. A careful study of this paper would take at least 2-3 hours. It is impossible to present this paper in great detail during a 15 minute conference presentation. However, with the example that follows that is what the authors did attempt to do. As you will see there is so much information on most of the slides and they are difficult to read. There is enough information for a 60 minute talk! The audience would soon be overwhelmed and the significance of the paper would be lost. The authors should have arranged their talk to entice the audience's attention and thus encourage them to read the paper later.

In the second example there is an illustration of how the authors could have arranged a 15 minute presentation which would have given those interested in the audience a general overview of their paper and interested them to read it later.

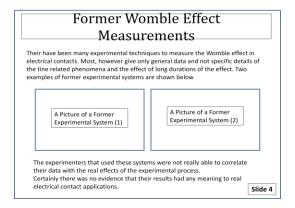
The original 25 Power-Point presentation as developed by the authors

Slide 1

New Experimental Techniques to Investigate the Womble Effect in Electrical Contacts Johan Nikita, WPF Corp Wooja Kintoon, Kupta University



Presentation Outline • Introduction • Experimental Technique 1 (ET1) - Performance - Experimental Results • Experimental Technique 2 (ET2) - Performance - Experimental Result • Discussion - Womble effect • Summary and Conclusions



Slide 1

- Good
- Some presenters like to place a logo. Just place it here on the title slide and nowhere else. Logos on every slide are a distraction
- This will be up for session chair's introduction. Move immediately to slide 2

Slide 2 (1min 30sec)

- Unnecessary, eliminate
- It doesn't say anything about the present research findings
- E-C researchers will be familiar with the "Womble" effect

Slide 3 (30sec) Total (2min)

- This seems to be conventional, but it takes up about 4% of the time allotted
- It can be eliminated
- Certainly eliminate the logo

Slide 4 (2min) Total (4min)

 Too much information, the audience while trying to read this will not really concentrate on what the speaker is telling them

The Experimental Set-ups in this Paper One mechanical device developed to evaluate the Womble effect uses an innovative periodic torquing oscillation system (TOS) A second device (ET1) has also been developed which only gives periodic wombles to the contact structures this is driven by magic. Each experimental system is able o simulate actual field experience of the Womble phenomenon in electrical contacts and delineate the actual degradation effects. Slide 5

In This Presentation

- We will present a new mechanism which gives only periodic wombles to electrical contacts (ET2)
- The relative wombles between the male and female contact systems and we will discuss the Womble degradation effects by the pseudo atmospheric day to day changes using ET1 and ET2.
- 3. ET1 uses the traditional Womble degradation mechanical system with the added advantage tat it is driven by magic.
- ET2 is a new system that produces the Womble effect by a state of the at extraterrestrial radio source.
- The experimental conditions introduce two motions which are triangular and rotational, two levels of contact force in actual practical contact structures with a few and many contact pairs

We thus obtain optimal womble effects like these: Picture of Womble effect 1
Picture of Womble effect 1
Picture of Womble effect 1

Slide 6

Presentation Outline

- Introduction
- Experimental Technique 1 (ET1)
 - Performance
 - Experimental Results
- Experimental Technique 2 (ET2)
 - Performance
 - Experimental Result
- Discussion
 - Womble effect
- Summary and Conclusions

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Slide 7

Experimental Technique 1 In order to womble the contacts in the range required, the womble Picture of EDC1 chanism has special womble springs that use the magic input to tightly control the input and output Experimental Technique 1 In this example a male and female Detailed Picture of the experimental female parts and completely fixed and the male parts are mounted contact structures below them and womble by the magic forces The womble driven by magic between the fixed and the womble contacts. Any displacement is measured by eyeballing it using a graded graduate student who hopes by this to receive a PhD eventually

Slide 5 (2min)

Total (6min)

- Eliminate this slide, the experimental setups are discussed later in the presentation
- Wastes 2minutes of the total presentation time (13%)

Slide 6 (2min)

Total (8min)

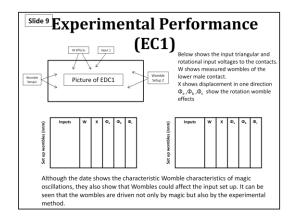
- Too much information plus 3 pictures
- 10 12 text lines maximum
- If adding a picture reduce the number of text lines
- Already used ½ presentation time

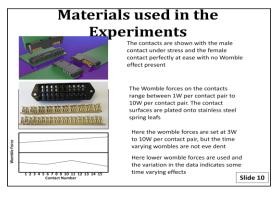
Slide 7 (30sec) Total (8min 30sec)

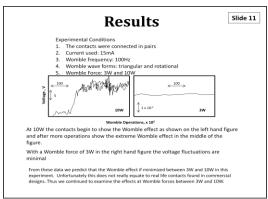
Eliminate, there is no need to repeat this

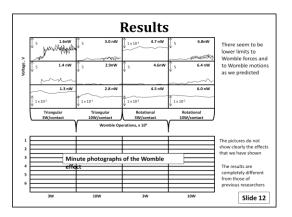
Slide 8 (2min) Total (10min 30sec)

- Too much information on this slide
- Pictures are too small
- Limit to one larger picture and only up to 8 lines of text









- Too much information on this slide, 11 text lines and 3 figures
- Pictures are too small
- The fonts too small on the figure labels too small and on the axes

Slide 10 (1min30sec) Total (14min)

- Too much information on this slide, 15 text lines and 3 pictures
- Pictures are too small

Slide 11 (2min) Total (16min)

- Too much information on this slide, 14 text lines and 2 pictures
- Pictures are too small
- All the Fonts too small

Slide 12 (3min) Total (17min)

- Too much information on this slide it would be difficult for the speaker to present this slide in 3 minutes
- Pictures and fonts are much too small
- This slide would be overwhelming for the audience.

Slide 9 (2min) Total (12min 30sec)

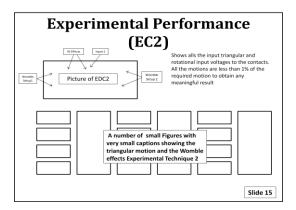
Presentation Outline

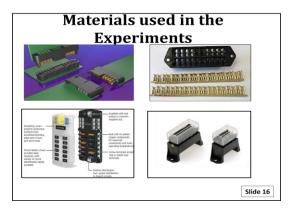
- Introduction
- Experimental Technique 1 (ET1)
 - Performance
 - Experimental Results
- Experimental Technique 2 (ET2)
 - Performance
 - Experimental Result
- Discussion
 - Womble effect
- · Summary and Conclusions

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Slide 13

Experimental Technique 2 Picture of EDC2 | Pic





Slide 13 (30sec) Total (17min30sec)

Eliminate

Slide 14 (2min30sec) Total (20min)

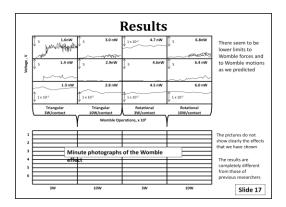
- Too much information on this slide it would be difficult for the speaker to present this slide in 3 minutes
- Pictures and fonts are too small
- This slide would be overwhelming for the audience.

Slide 15 (3min) Total (23min)

- Too much information on this slide it would be difficult for the speaker to present this slide in 3 minutes
- Pictures and fonts are too small
- This slide would be overwhelming for the audience.

Slide 16 (1min) Total (24min)

- Too much information on this slide it would be difficult for the speaker to present this slide in 1minutes
- Pictures and fonts are too small



Presentation Outline

- Introduction
- Experimental Technique 1 (ET1)
 - Performance
 - Experimental Results
- · Experimental Technique 2 (ET2)
 - Performance
 - Experimental Result
- Discussion
 - Womble effect
- · Summary and Conclusions

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Slide 18

Discussion

- For each result the larger Womble force and the larger Womble motion are not realated
- The smaller Womble amplitudes in the triangular motion are larger than those with the oscillating motion
- The cause is the difference between the purely magic system and the system that employs both magic and extraterrestrial forces.
- Therefore when setting up the practical contact devices it requires that both force systems are taken into account
- The Womble force of 3W means that more experiments need to be performed
 Slide 19

Discussion, Continued

- The minimum Womble amplitudes are larger in the EC1 than they are in EC2 except when the extraterrestrial force fluctuated to zero.
- We think that this resulted from the variation in the world wide web at the time the experiments were performed.
- We think that EC1 had an inherently stiffer Womble force, but that overcame the other forces inherent in EC2.
- For EC1 we have no idea of what is happening, so we cannot give a coherent explanation of the phenomena.
- What is the world coming to?

Slide 20

Slide 17 (3min) Total (27min)

- Too much information on this slide it would be difficult for the speaker to present this slide in 3 minutes
- Pictures and fonts are way too small

Slide 18 (30sec) Total (27min30sec)

Eliminate

Slide 19 (1min30sec) Total (29min)

- 12 lines under the title is the maximum for the audience to read and also listen to the speaker
- A good example

Slide 20 (1min30sec) Total (29min)

- 12 lines under the title is the maximum for the audience to read and also listen to the speaker
- A good example

Discussion, Continued

- The minimum Womble amplitudes are larger in the EC1 than they are in EC2 in all cases
- We think that EC1 had an inherently stiffer Womble force, but that overcame the other forces inherent in EC2. Also the casing material could have gad an effect
- · For EC1 perhaps the contacts were more rigid
- We believe that the magic forces and the stiffer contact members can explain the differences in the data from EC1 and EC2
- Maybe the Womble effect if also affected by the well known Fretting phenomena.

Slide 21

Presentation Outline

- Introduction
- Experimental Technique 1 (ET1)
 - Performance
 - Experimental Results
- Experimental Technique 2 (ET2)
 - Performance
 - Experimental Result
- Discussion
 - Womble effect
- Summary and Conclusions

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Slide 22

Summary

- There are Womble effects in electrical contacts using both experimental systems EC1 and EC2
- The Womble degradation is affected bt both the Womble force, the Womble amplitude and the Voltage waveform.
- 3. These give rise to different accelerations which affect the Womble motion
- The forces form EC2 actually transfer more Womble effects than do those form EC1.
- The forces from EC1 being only by magic cannot compete with those of EC2 which combine magic with extraterrestrial forces.
- 6. The experiments from EC1 seem to correlate more closely with field experience of the Womble effect in electrical contacts

Conclusions

- There are minimal Womble amplitudes that can cause contact resistance variations in closed electrical contacts
- It is possible to correlate the input voltage waveforms, the Womble forces and the Womble amplitudes to determine the lowest changes in contact resistance
- 3. By reviewing this paper in detail the reader can work these out for him/her self.

Slide 24

Slide 21 (1min30sec) Total (29min)

- 12 lines under the title is the maximum for the audience to read and also listen to the speaker
- A good example, but a maximum of 2 slides should have been used

Slide 22 (30sec) Total (29min30sec)

Eliminate

Slide 23 (1min) Total (30min30sec)

 Eliminate: this slide is superfluous. Its message should have been stated in the "Discussion"

Slide 24(30sec) Total (31min)

- 9 lines under the title, a large font
- A excellent example of an audience friendly power point slide

Thank you for your efforts in attempting to absorb so much detail in such a short time!!

Slide 25

Slide 25

Total (31min)

• NO COMMENT!!

An example of how the Power-Point Presentation could have been made in 11 slides (NOTE: this is not meant to be a template)

- 1) The number of slides: 11
- 2) About 1 minute 30 seconds for each slide
- 3) Limited information on each slide: gives time to read and to listen to speaker
- 4) Only essential main points on each slide
- 5) Allows speaker time to elaborate main points
- 6) There are no slides that detract from the main theme of the presentation
- 7) Easy to presents in 15 minutes and allows time for questions: an essential part of a conference presentation
- 8) It will keep the Conferences schedule of 20 minutes per speaker

New Experimental Techniques to Investigate the Womble Effect in Electrical Contacts

Johan Nikita, WPF Corp Wooja Kintoon, Kupta University

WPFC

- · Good, large fonts
- Some presenters like to place a logo. Just place it here on the title slide and nowhere else. Logos on every slide are a distraction
- This will be up for session chair's introduction. Move immediately to slide 1

Presentation Outline

- Background & Purpose
- Experimental Technique 1 (ET1)
 - Experimental Results
- Experimental Technique 2 (ET2)
 - Experimental Result
- Discussion
- Conclusions

Slide 1

Slide 1 (30sec)

Total (30sec)

- This seems to be conventional, but it takes up about 4% of the time allotted
- It can be eliminated

The Former Womble Measurements

- Do not give specific details of what the Womble effect really is
- The experiments are only short term
- There is no correlation with real electrical contact applications

Slide 2

Slide 2 (1min30sec) Total (2min)

- Only the major points on the slide
- Large font, easy to read and listen
- Allows the speaker to elaborate if needs be

The Purpose of the Present Study

- · Analyze the Womble in detail
- Present 2 new Womble measurement techniques
- Introduce new possible Womble motions
- Show the criteria where the Womble effect is minimized
- Show correlation with actual field experience of the Womble effect

Slide 3

Slide 4

Slide 3 (1min)

Total (3min)

- · Good, large fonts
- Easy to read and listen to the presenter at the same time
- Highlights the major purpose of the study
- Allows time for the presenter to elaborate some details

Experimental Parameters

• Contacts connected in pairs

Current: 15mA

• Womble frequency: 100 Hz

Womble waveforms: Triangular &

Rotational

Womble force: 3W & 10W

Materials: Plated Craxium on SS springs

Slide 4 (1min)

Total (4min)

- Good, large fonts
- Easy to read and listen to the presenter at the same time
- Highlights the major parameters for this study
- Allows time to elaborate if needed

Experimental Technique 1 (ET1)

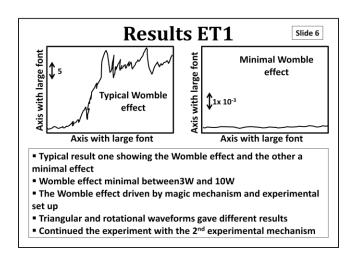
Large diagram or picture of ET1 with labeling in large font

- Female contacts fixed, male contacts on Womble springs
- Womble effect driven by magic
- Displacement measured by eyeballing

Slide 5

Slide 5 (1min30sec) Total (5min30sec)

- One large picture or diagram of the apparatus with large font labels
- There will be time for the speaker to give more detail, if needed
- · Only the major points on the slide
- Large font, easy to read and listen



Experimental Technique 2 (ET2)

Large diagram or picture of ET2 with labeling in large font

- Female contacts fixed, male contacts on Womble springs
- Womble effect driven by magic & extraterrestrial forces
- Displacement and forces measured in real time by micro-ruler

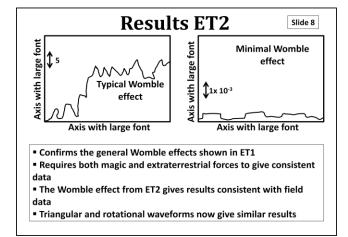
Slide 7

Slide 6 (2min) Total (7min30sec)

- Good, large fonts
- Easy to read and listen to the presenter at the same time
- Highlights the major purpose of the study
- Allows time for the presenter to elaborate some details
- Only ½ allotted time spent

Slide 7 (1min30sec) Total (9min)

- One large picture or diagram of the apparatus with large font labels
- There will be time for the speaker to give more detail, if needed
- Only the major points on the slide
- Large font, easy to read and listen



Slide 8 (2min) Total (11min)

- Good, large fonts
- Easy to read and listen to the presenter at the same time
- Highlights the major purpose of the study
- Allows time for the presenter to elaborate some details
- Leave a good time for the Discussion of the data

Discussion

- The larger Womble force and larger Womble motion not related
- Smaller triangular Womble motions are larger than rotational ones
- Magic and extraterrestrial forces in EC2 give data similar to field studies
- Thus both force systems need to be used in laboratory experiments
- Minimal Womble effect in EC1 smaller than in EC2 except when extraterrestrial forces ~ zero

Slide 9

Discussion (Continued)

- We have no idea of the Womble mechanism that develops in EC1
- The world wide web may have had an influence
- Womble force of 3W shows where more experiments need to be performed
- EC1 had stiffer Womble forces which may explain the data difference seen in EC2

Slide 10

Conclusions

- There are minimal Womble amplitudes that can cause contact resistance variations in closed electrical contacts
- 2. It is possible to correlate the input voltage waveforms, the Womble forces and the Womble amplitudes to determine the lowest changes in contact resistance
- 3. By reviewing this paper in detail the reader can work these out for him/her self.

Slide 11

Slide 9 (1min30sec)

Total (12min30sec)

- Good, large fonts, 10 lines
- Easy to read and listen to the presenter at the same time
- Highlights the major discussion points for this study
- Allows time for the presenter to elaborate some details

Slide 10 (1min30sec) Total (14min)

- Good, large fonts, 8 lines
- Easy to read and listen to the presenter at the same time
- Highlights the major discussion points for this study
- Allows time for the presenter to elaborate some details

Slide 11(1min) Total (15min)

- Good, large fonts, 9 lines
- Easy to read and listen to the presenter at the same time
- Highlights the major conclusions obtained from this study

Thank you