

WHILE THERE SEVERAL STEPS TO VOTING WITH HELIOS, THEY ARE ALL SIMPLE AND QUICK! (SHOULD ONLY TAKE 1-2 MINUTES)

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ogy FAQ

## Helios offers truly verifiable online elections.

We believe in democracy and we think verifiable elections are its cornerstone. We believe democracy is important at every level, whether it's your book club, parent-teacher association, student government, workers' union, or state.

So we've made truly verifiable elections as easy as everything else on the Web.

When you cast a vote with Helios, you get a *smart tracker* to track your vote all the way to the tally. No one knows how you voted, but you can track your vote and everyone can check the tally. Our technology is fully open.

More than **25,000 votes** have been cast using Helios.

Go ahead, set up an election, or vote in a featured election. It's free.

### Recent Posts

- \* State of Helios at EVT/WOTE 2010
- \* Helios v3 released
- \* Helios deployed at Princeton
- \* Princeton one step closer to using Helios
- \* Vowee launched

### Find us on Facebook

**Helios Voting** Like

**Helios Voting** Princeton undergrads will use Helios for their three student government elections this year. October 6 at 7:56pm

**Helios Voting** <http://www.iacr.org/elections/2010/HeliosForCryptographers.html>

**International Association for Cryptologic Research**  

**Helios for Cryptographers**  
[www.iacr.org](http://www.iacr.org)  
 Helios is a cryptographically-verifiable election system. Each completed ballot is individually encrypted by a Helios client that runs on the voter's

Navigation icons: back, forward, home, refresh, delete, print, reply, reply all, forward, print, delete, move to...

- Folde
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- GT
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Subject Cookies

Sender system@heliosvoting.org  
Recipient gmorris@uoregon.edu  
Date Today 16:09

Dear gmorris@uoregon.edu,

This is what a sample email with your electronic ballot will look like.

Election URL: [http://vote.heliosvoting.org/helios/e/cookie\\_vote](http://vote.heliosvoting.org/helios/e/cookie_vote)  
Election Fingerprint: bgZmfF129epfQDMwPgeRs3bfdQ2o4Viga2EaGO6GErw

Your username: [gmorris@uoregon.edu](mailto:gmorris@uoregon.edu)  
Your password: Ne6Yfblklm

In order to protect your privacy, this election is configured to never display your username, name, or email address to the public. Instead, the ballot tracking center will only display your alias.

Your voter alias is V3.

IMPORTANTLY, when you are prompted to log in to vote, please use your \*username\*, not your alias.

--  
Helios

VOTING BEGINS WHEN YOU RECIEVE THIS EMAIL FROM SYSTEM@HELIOSVOTING.EDU



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--  
Helios

CLICK THIS LINK FOR YOUR INDIVIDUAL ELECTRONIC BALLOT\*

\*IF THIS IS NOT A BLUE HYPERLINK, CUT AND PASTE THIS ADDRESS INTO YOUR WEB BROWSER

Navigation icons: back, forward, refresh, home, search, and a "Move to..." dropdown menu.

- Folde
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- so

Subject Cookies

Sender system@heliosvoting.org  
Recipient gmorris@uoregon.edu  
Date Today 16:09

Dear [gmorris@uoregon.edu](mailto:gmorris@uoregon.edu),

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Election Fingerprint: bgZmfF129epfQDMwPgeRs3bfdQ2o4VigA2EaGO6GErw

Your username: [gmorris@uoregon.edu](mailto:gmorris@uoregon.edu)  
Your password: Ne6Yfblklm

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Your voter alias is V3.

IMPORTANTLY, when you are prompted to log in to vote, please use your \*username\*, not your alias.

--  
Helios

**YOUR USERNAME WILL BE YOUR EMAIL ADDRESS**

Navigation icons: back, forward, refresh, home, search, and a 'Move to...' dropdown menu.

- Folders list: In, Dr, Se, 20, 33, Ci, Co, co, Co, Di, Et, Fa, GT, J3, jol, Me, mi, Mi, Ne, Pe, Ph, Re, Rc, Sc, so

Subject Cookies

Sender system@heliosvoting.org  
Recipient gmorris@uoregon.edu  
Date Today 16:09

Dear gmorris@uoregon.edu,  
  
This is what a sample email with your electronic ballot will look like.  
  
Election URL: [http://vote.heliosvoting.org/helios/e/cookie\\_vote](http://vote.heliosvoting.org/helios/e/cookie_vote)  
Election Fingerprint: bgZmfF129epfQDMwPgeRs3bfdQ2o4VigA2EaGO6GErw  
  
Your username: [gmorris@uoregon.edu](mailto:gmorris@uoregon.edu)  
Your password: Ne6Yfblklm  
  
In order to protect your privacy, this election is configured to never display your username, name, or email address to the public. Instead, the ballot tracking center will only display your alias.  
  
Your voter alias is V3.  
  
IMPORTANTLY, when you are prompted to log in to vote, please use your \*username\*, not your alias.  
  
--  
Helios

**YOUR RANDOMLY ASSIGNED AND SECRET PASSWORD IS HERE**

Helios Voting Booth [\[exit\]](#)

# Vote for, or against, cookies

This is a test vote to show folks how to use the Helios electronic ballot.

To cast a vote, you will be led through the following steps.  
You will *not* be asked to log in until the very end of the process.

1. **Select** your options.  
Answer the questions, and review your choices.
2. **Encrypt** your selection.  
Your selection is encrypted safely inside in your browser.  
A smart ballot tracker is given to let you track your ballot.
3. **Submit** your encrypted ballot.  
Proceed to log in and cast your encrypted ballot for tallying.

**AFTER CLICKING ON THE LINK FROM THE EMAIL, THIS WINDOW OPENS: CLICK HERE TO BEGIN**

[Start](#)

Election Fingerprint: **bgZmFF129epfQDMwPgeRs3bfdQ2o4VigA2EaG06GErw**

[help!](#)

[\[exit\]](#)

## Vote for, or against, cookies

This is a test vote to show folks how to use the Helios electronic ballot.

**(1) Select**    (2) Encrypt    (3) Submit

**Shall the GTFF endorse cookies (e.g., oatmeal, molassas, chocolate chip)?**  
Question #1 of 1 — select up to 1 answer

Yes  
 No

**Proceed**

Election Fingerprint: `bgZmFF129epfQDMwPgeRs3bfdQ2o4VigA2EaG06GErw`    [help!](#)

**READ THE QUESTION, MARK YOUR CHOICE HERE.**

**AFTER MARKING YOUR SELECTION, CLICK HERE**

[\[exit\]](#)

## Vote for, or against, cookies

This is a test vote to show folks how to use the Helios electronic ballot.

**(1) Select**    (2) Encrypt    (3) Submit

### Review your Ballot

Question #1: Shall the GTFF endorse cookies (e.g., oatmeal, molassas, chocolate chip)?  
**Yes** [\[update\]](#)

**Confirm Choices and Encrypt Ballot**

Election Fingerprint: **bgZmfF129epfQDMwPgeRs3bfdQ2o4VigA2EaG06GErw** [help!](#)

IT WILL THEN ASK YOU TO CONFIRM. CLICK HERE

(AFTER CONFIRMING, HELIOS ENCRYPTS YOUR VOTE SO ONLY YOU CAN ACCESS YOUR BALLOT)



## Helios Voting Booth [\[exit\]](#)

# Vote for, or against, cookies

This is a test vote to show folks how to use the Helios electronic ballot.

(1) Select

(2) **Encrypt**

(3) Submit

**Helios is now encrypting your ballot**

**This may take up to two minutes**

**0% done**

**You may get a browser warning:** if your browser complains about "long-running JavaScript", click Continue and let Helios finish encrypting your ballot.

**Why so long and complicated?:** Helios employs state-of-the-art cryptography to protect the secrecy of your ballot while giving you a smart tracker to ensure your ballot was counted. No other web-based voting system provides this level of election integrity. Even the latest browsers don't support this technology natively, which means Helios is encrypting your data in JavaScript, and that takes a little bit more time than you may be accustomed to.

Election Fingerprint: **bgZmfF129epfQDMwPgeRs3bfdQ2o4VigA2EaG06GErw**

[help!](#)

**HELIOS DOES ITS THING AND  
ENCRYPTS YOUR VOTE.  
VERY SECURE!**

Helios Voting Booth [\[exit\]](#)

# Vote for, or against, cookies

This is a test vote to show folks how to use the Helios electronic ballot.

(1) Select (2) Encrypt (3) **Submit**

## Your ballot was successfully encrypted

[Audit](#) [optional]

Please **keep a record** of your smart ballot tracker [\[print\]](#) [\[email\]](#):

**pLgtMP0TDWcLLyqrC+DMDEGhMm33rSFMjucVq2OpyCs**

To protect your privacy:

- Helios has not yet asked for your identity.
- Once you click "Proceed", Helios will remember only your encrypted vote.
- Thus, only you know your vote.

**Proceed to Cast**

Election Fingerprint: **bgZmfF129epfQDMwPgeRs3bfdQ2o4VigA2EaG06GErw** [help!](#)

**GETTING CLOSE! CLICK HERE TO CAST YOUR VOTE**



## Vote for, or against, cookies — Submit your Vote

We have received, **but not yet recorded**, your encrypted ballot.  
Your smart ballot tracker is:

**pLgtMP0TDWcLLyqrC+DMDEGhMm33rSFMjucVq2OpyCs**

Now, we need you to log in, so we can verify your eligibility.

Please log in with the username and password you received by email.

**Username:**   
**Password:**   
 [forgot password?](#)

ENTER YOUR @UOREGON.EDU ADDRESS

ENTER THE RANDOM PASSWORD FROM THE ORIGINAL EMAIL  
(WE SUGGEST CUTTING AND PASTING)

Don't worry, we'll remember your ballot while you log in.



## Vote for, or against, cookies — Submit your Vote

We have received, **but not yet recorded**, your encrypted ballot.  
Your smart ballot tracker is:


`pLgtMP0TDWcLLyqrC+DMDEGhMm33rSFMjucVq2OpyCs`

I am  gmorris@uoregon.edu, cast this ballot

You can cast as many ballots as you want.  
Only the last one counts.

cancel

If you cancel now, your ballot will *NOT* be recorded.  
You can start the voting process over again, of course.

logged in as  gmorris@uoregon.edu [logout]  
About Helios | Help!

CLICK HERE AND YOU ARE DONE!



## Vote for, or against, cookies — Vote Successfully Cast!

Congratulations, your vote has been **successfully cast!**

Your smart ballot tracker is:

**pLgtMP0TDWcLLyqrC+DMDEGhMm33rSFMjucVq2OpyCs**

For your safety, we have logged you out.

[ [return to election info](#) ]

not logged in. [log in]  
About Helios | Help!

**CONGRATULATIONS! YOU VOTED.**



**Folde**

**Subject** Vote for, or against, cookies - vote cast  
**Sender** system@heliosvoting.org  
**Recipient** gmorris@uoregon.edu  
**Date** Today 16:40

You have successfully cast a vote in

Vote for, or against, cookies

Your ballot tracking number is:

pLgtMP0IDWcLLyqrC+DMDEGhMm33rSFMjucVq2OpyCs

This election uses voter aliases to protect your privacy.  
Your voter alias is : V3

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Helios Election Server

Message 1 of 2366

A CONFIRMATION EMAIL WILL BE SENT TO YOU



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About Us Technology FAQ

Helios offers truly verifiable online elections.

**YOU MAY VOTE MULTIPLE TIMES, BUT ONLY THE LAST BALLOT, AT THE TIME THE ELECTION IS CLOSED, COUNTS**

so we've made truly verifiable elections as easy as everything else on the web.

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Recent Posts

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- Helios v3 released

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October 6 at 7:56pm

Helios Voting <http://www.iacr.org/elections/2010/HeliosForCryptographers.html>

Helios for Cryptographers  
[www.iacr.org](http://www.iacr.org)  
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