



## PROBLEM DAY #3

DATE/LOCATION: May 9, NCB Room 170, 1455 Perry Street

Topic	Description	Time Slot	Speakers
Kickoff	<ul style="list-style-type: none"> <li>• <i>Welcome &amp; Introductions</i></li> </ul>	8:00-8:20	Sally Morton, Carolyn Potter & Alex Kampman
	<ul style="list-style-type: none"> <li>• <i>Overview &amp; Objectives</i></li> </ul>	8:20-8:25	Carolyn Potter & Alex Kampman
	<ul style="list-style-type: none"> <li>• <i>Recap of Problem Day #2</i></li> </ul>	8:25-8:30	Carolyn Potter & Alex Kampman
Blockchain Overview	<ul style="list-style-type: none"> <li>• <i>What is blockchain and why is it important?</i></li> </ul>	8:30-8:40	Forrest Colyer & Austin Parmenter
	<ul style="list-style-type: none"> <li>• <i>How does blockchain work?</i> <ul style="list-style-type: none"> <li>• <i>Permissioned private blockchains</i></li> <li>• <i>Public blockchains</i></li> <li>• <i>How to evaluate blockchain use cases</i></li> </ul> </li> </ul>	8:40-9:00	Forrest Colyer & Austin Parmenter
<b>10 Minute Break</b>			
Blockchain Deep Dive	<ul style="list-style-type: none"> <li>• <i>Blockchain use case</i> <ul style="list-style-type: none"> <li>• <i>Overview</i></li> <li>• <i>Demo</i></li> </ul> </li> </ul>	9:10-9:35	Forrest Colyer & Austin Parmenter
	<ul style="list-style-type: none"> <li>• <i>Architectural deep dive</i> <ul style="list-style-type: none"> <li>• <i>Infrastructure</i></li> <li>• <i>Tools</i></li> <li>• <i>Role of cryptography</i></li> </ul> </li> </ul>	9:35-10:00	Forrest Colyer & Austin Parmenter
Virginia Tech Blockchain Research	<ul style="list-style-type: none"> <li>• <i>CS@VT Blockchain Initiative</i> <ul style="list-style-type: none"> <li>• <i>Presentation / Q&amp;A</i></li> </ul> </li> </ul>	10:00-10:20	<a href="#">Kirk Cameron</a> , Professor Computer Science & Associate Dept Head for Research & Engagement, College of Engineering.

	<ul style="list-style-type: none"> <li>• <i>Blockchain Vulnerability in a Quantum Age</i> <ul style="list-style-type: none"> <li>• <i>Presentation / Q&amp;A</i></li> </ul> </li> </ul>	10:20-10:40	<a href="#">Gretchen Matthews</a> , Professor Mathematics, College of Science.
	<ul style="list-style-type: none"> <li>• <i>Applications in Business</i> <ul style="list-style-type: none"> <li>• <i>Presentation / Q&amp;A</i></li> </ul> </li> </ul>	10:40-11:00	<a href="#">Reza Barkhi</a> , Dept Head Accounting and Information Systems, Pamplin College of Business.
<b>10 Minute Break</b>			
<b>Wrap-up</b>	<ul style="list-style-type: none"> <li>• <i>Discuss partnership opportunities</i></li> <li>• <i>How to build the blockchain practitioners of the future</i></li> </ul>	11:10-11:45	Carolyn Potter & Alex Kampman
<b>Closeout</b>	<ul style="list-style-type: none"> <li>• <i>Recap the activities and outcomes of the day, as well as any new action items</i></li> <li>• <i>Lunch (conversations continued)</i></li> </ul>	11:45-12:00	Carolyn Potter & Alex Kampman
<b>10 Minute Break</b>			
<b>Deloitte Fellows</b>	<ul style="list-style-type: none"> <li>• <i>Fellows presentations and lunch</i></li> </ul>	12:10-1:30	<b>Alex Kampman &amp; Fellows</b> -Jonathan Baker, Math, College of Science -Leanna Ireland, Sociology, College of Liberal Arts and Human Sciences -Kaveh Kelarestaghi, Civil Engineering, College of Engineering -Long Xia, Business Information Technology, Pamplin College of Business -Sirui Yao, Computer Science, College of Engineering

### Attendees VT

- Reza Barkhi, Director of PhD Program, Accounting and Information Systems, Pamplin College of Business ([reza@vt.edu](mailto:reza@vt.edu))
- Kirk Cameron, Professor Computer Science & Associate; Dept Head for Research & Engagement ([cameron@vt.edu](mailto:cameron@vt.edu)), College of Engineering
- Karin Clark, Assoc Director Business Development, LINK Center for Advancing Industry Partnerships ([karinclark@vt.edu](mailto:karinclark@vt.edu))
- Mark Embree, Professor of Mathematics & Leader CMDA division, College of Science, ([embree@vt.edu](mailto:embree@vt.edu))

- Janine Hiller, Professor of Finance, Pamplin College of Business ( [jhiller@vt.edu](mailto:jhiller@vt.edu))
- Matt Holt, Dept Head, Agricultural and Applied Economics, College of Agriculture and Life Sciences ([mattholt@vt.edu](mailto:mattholt@vt.edu))
- Chen-Ching Liu, Professor Electrical and Computer Engineering & Director for the Power and Energy Center ([ccliu@vt.edu](mailto:ccliu@vt.edu)), College of Engineering
- Gretchen Matthews, Professor, Dept of Mathematics, College of Science ( [gmatthews@vt.edu](mailto:gmatthews@vt.edu) )
- Sally Morton, Dean, College of Science & Professor of Statistics ([scmorton@vt.edu](mailto:scmorton@vt.edu) )
- Cal Ribbens, Dept Head, Computer Science, College of Engineering ([ribbens@vt.edu](mailto:ribbens@vt.edu))
- Robin Russell, Dept Head Business Information Technology, Pamplin College of Business ([rrussell@vt.edu](mailto:rrussell@vt.edu) )

**Attendees Deloitte**

- Forrest Colyer, Consultant, Blockchain expert
- Alex Kampman, Deloitte-VT Analytics Fellowship Lead ( [akampman@DELOITTE.com](mailto:akampman@DELOITTE.com))
- Austin Parmenter, Consultant, Blockchain expert
- Carolyn Potter, Deloitte-VT Analytics Team Leader ( [cpotter@deloitte.com](mailto:cpotter@deloitte.com))
- Bijoy Thomas, Deloitte-VT Analytics Team Member ( [bijoythomas@deloitte.com](mailto:bijoythomas@deloitte.com))

**All are invited to attend Blockchain Challenge Finale**

<p><a href="#">Blockchain Challenge</a> Finale</p> <p><i>A blockchain application development student competition</i></p>	<p>Squires Student Center, Haymarket Theatre</p> <ul style="list-style-type: none"> <li>• 3:00-4:00 Blockchain Panel (Mary Miller, Host)</li> <li>• Panelists: Ritesh Johar (CTO, Moonlighting), Raphael Gaudreaultm (CTO Eva), Rick Schlesinger (co-founder, EOS NY)</li> <li>• 4:00-4:50 Blockchain Challenge Finalist Presentations</li> <li>• 5 VT Teams present their solutions to the Challenge.</li> <li>• 4:50-5:10 Judging and Awards</li> </ul>	<p>3:00-5:00</p>	<p>Hosted by the VT Computer Science Department.</p>
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