

<p style="text-align: center;">Form 5500</p> <p style="font-size: small;">Department of the Treasury Internal Revenue Service</p> <hr/> <p style="font-size: small;">Department of Labor Employee Benefits Security Administration</p> <hr/> <p style="font-size: x-small;">Pension Benefit Guaranty Corporation</p>	<p>Annual Return/Report of Employee Benefit Plan</p> <p style="font-size: x-small;">This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code).</p> <p style="text-align: center;">▶ Complete all entries in accordance with the instructions to the Form 5500.</p>	<p style="font-size: x-small;">OMB Nos. 1210-0110 1210-0089</p> <hr/> <p style="font-size: large; text-align: center;">2022</p> <hr/> <p style="text-align: center;">This Form is Open to Public Inspection</p>
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Part I Annual Report Identification Information
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022

A This return/report is for: a multiemployer plan a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)

a single-employer plan a DFE (specify) _____

B This return/report is: the first return/report the final return/report

an amended return/report a short plan year return/report (less than 12 months)

C If the plan is a collectively-bargained plan, check here.

D Check box if filing under: Form 5558 automatic extension the DFVC program

special extension (enter description)

E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here.

Part II Basic Plan Information—enter all requested information

<p>1a Name of plan <u>INFORMS DEFINED CONTRIBUTION RETIREMENT PLAN</u></p>	<p>1b Three-digit plan number (PN) ▶ <u>002</u></p>
<p>2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>INSTITUTE FOR OPERATIONS RESEARCH & THE MANAGEMENT SCIENCES (INFORMS)</u></p> <p><u>5521 RESEARCH PARK DRIVE</u> <u>SUITE 200</u> <u>CATONSVILLE, MD 21228</u></p>	<p>1c Effective date of plan <u>01/01/1995</u></p> <p>2b Employer Identification Number (EIN) <u>52-1898636</u></p> <p>2c Plan Sponsor's telephone number <u>443-757-3500</u></p> <p>2d Business code (see instructions) <u>813000</u></p>

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	08/24/2023	REGINA M. LLOYD
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2022)
v. 220413

3a Plan administrator's name and address <input checked="" type="checkbox"/> Same as Plan Sponsor	3b Administrator's EIN 3c Administrator's telephone number
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN 4d PN
5 Total number of participants at the beginning of the plan year	5 122
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). 6a(1) Total number of active participants at the beginning of the plan year 6a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits c Other retired or separated participants entitled to future benefits..... d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)..... h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....	6a(1) 49 6a(2) 42 6b 0 6c 74 6d 116 6e 0 6f 116 6g 116 6h 0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2F 2G 2L 2T b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:	
9a Plan funding arrangement (check all that apply) (1) <input checked="" type="checkbox"/> Insurance (2) <input type="checkbox"/> Code section 412(e)(3) insurance contracts (3) <input type="checkbox"/> Trust (4) <input type="checkbox"/> General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) <input checked="" type="checkbox"/> Insurance (2) <input type="checkbox"/> Code section 412(e)(3) insurance contracts (3) <input type="checkbox"/> Trust (4) <input type="checkbox"/> General assets of the sponsor
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)	
a Pension Schedules (1) <input checked="" type="checkbox"/> R (Retirement Plan Information) (2) <input type="checkbox"/> MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) <input type="checkbox"/> SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	b General Schedules (1) <input checked="" type="checkbox"/> H (Financial Information) (2) <input type="checkbox"/> I (Financial Information – Small Plan) (3) <input checked="" type="checkbox"/> ¹ A (Insurance Information) (4) <input checked="" type="checkbox"/> C (Service Provider Information) (5) <input checked="" type="checkbox"/> D (DFE/Participating Plan Information) (6) <input type="checkbox"/> G (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) Yes No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) Yes No

11c Enter the Receipt Confirmation Code for the 2022 Form M-1 annual report. If the plan was not required to file the 2022 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

<p>SCHEDULE A (Form 5500)</p> <p>Department of the Treasury Internal Revenue Service</p> <hr/> <p>Department of Labor Employee Benefits Security Administration</p> <hr/> <p>Pension Benefit Guaranty Corporation</p>	<p>Insurance Information</p> <p>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).</p> <p>▶ File as an attachment to Form 5500.</p> <p>▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).</p>	<p>OMB No. 1210-0110</p> <hr/> <p>2022</p> <hr/> <p>This Form is Open to Public Inspection</p>
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For calendar plan year 2022 or fiscal plan year beginning **01/01/2022** and ending **12/31/2022**

<p>A Name of plan INFORMS DEFINED CONTRIBUTION RETIREMENT PLAN</p>	<p>B Three-digit plan number (PN) ▶</p>	<p>002</p>
<p>C Plan sponsor's name as shown on line 2a of Form 5500 INSTITUTE FOR OPERATIONS RESEARCH & THE MANAGEMENT SCIENCES (INFORMS)</p>	<p>D Employer Identification Number (EIN) 52-1898636</p>	

Part I Information Concerning Insurance Contract Coverage, Fees, and Commissions Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.

1 Coverage Information:

(a) Name of insurance carrier
TIAA-CREF

(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
13-1624203	69345	316029	116	01/01/2022	12/31/2022

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.

(a) Total amount of commissions paid	(b) Total amount of fees paid
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3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
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(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II	Investment and Annuity Contract Information	
Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.		
4	Current value of plan's interest under this contract in the general account at year end.....	4 2154613
5	Current value of plan's interest under this contract in separate accounts at year end.....	5 6704863
6 Contracts With Allocated Funds:		
a State the basis of premium rates ▶		
b	Premiums paid to carrier	6b
c	Premiums due but unpaid at the end of the year	6c
d	If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount..... Specify nature of costs ▶	6d
e Type of contract: (1) <input type="checkbox"/> individual policies (2) <input type="checkbox"/> group deferred annuity (3) <input type="checkbox"/> other (specify) ▶		
f If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ▶ <input type="checkbox"/>		
7 Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)		
a Type of contract: (1) <input type="checkbox"/> deposit administration (2) <input type="checkbox"/> immediate participation guarantee (3) <input checked="" type="checkbox"/> guaranteed investment (4) <input type="checkbox"/> other ▶		
b	Balance at the end of the previous year	7b 2139759
c	Additions: (1) Contributions deposited during the year	7c(1) 34062
	(2) Dividends and credits.....	7c(2)
	(3) Interest credited during the year.....	7c(3) 83748
	(4) Transferred from separate account.....	7c(4) 577737
	(5) Other (specify below)	7c(5)
▶		
	(6) Total additions.....	7c(6) 695547
d	Total of balance and additions (add lines 7b and 7c(6))	7d 2835306
e Deductions:		
	(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1) 132576
	(2) Administration charge made by carrier.....	7e(2)
	(3) Transferred to separate account.....	7e(3) 548117
	(4) Other (specify below)	7e(4)
▶		
	(5) Total deductions.....	7e(5) 680693
f	Balance at the end of the current year (subtract line 7e(5) from line 7d).....	7f 2154613

Part III Welfare Benefit Contract Information
 If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

- 8** Benefit and contract type (check all applicable boxes)
- | | | | |
|--|--|---|--|
| a <input type="checkbox"/> Health (other than dental or vision) | b <input type="checkbox"/> Dental | c <input type="checkbox"/> Vision | d <input type="checkbox"/> Life insurance |
| e <input type="checkbox"/> Temporary disability (accident and sickness) | f <input type="checkbox"/> Long-term disability | g <input type="checkbox"/> Supplemental unemployment | h <input type="checkbox"/> Prescription drug |
| i <input type="checkbox"/> Stop loss (large deductible) | j <input type="checkbox"/> HMO contract | k <input type="checkbox"/> PPO contract | l <input type="checkbox"/> Indemnity contract |
| m <input type="checkbox"/> Other (specify) ▶ | | | |

9 Experience-rated contracts:

a Premiums: (1) Amount received	9a(1)		
(2) Increase (decrease) in amount due but unpaid	9a(2)		
(3) Increase (decrease) in unearned premium reserve.....	9a(3)		
(4) Earned ((1) + (2) - (3)).....		9a(4)	
b Benefit charges (1) Claims paid.....	9b(1)		
(2) Increase (decrease) in claim reserves	9b(2)		
(3) Incurred claims (add (1) and (2)).....		9b(3)	
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs.....	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies	9c(1)(F)		
(G) Other retention charges.....	9c(1)(G)		
(H) Total retention.....		9c(1)(H)	
(2) Dividends or retroactive rate refunds. (These amounts were <input type="checkbox"/> paid in cash, or <input type="checkbox"/> credited.).....		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement.....		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).).....		9e	
10 Nonexperience-rated contracts:			
a Total premiums or subscription charges paid to carrier		10a	
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount		10b	
Specify nature of costs.			

Part IV Provision of Information

- 11** Did the insurance company fail to provide any information necessary to complete Schedule A? Yes No
- 12** If the answer to line 11 is "Yes," specify the information not provided. ▶

SCHEDULE C (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection.
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022

A Name of plan <u>INFORMS DEFINED CONTRIBUTION RETIREMENT PLAN</u>	B Three-digit plan number (PN) ▶	<u>002</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>INSTITUTE FOR OPERATIONS RESEARCH & THE MANAGEMENT SCIENCES (INFORMS)</u>	D Employer Identification Number (EIN) <u>52-1898636</u>	

Part I Service Provider Information (see instructions)

You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... Yes No

b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

TIAA

13-1624203

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

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2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

<p style="text-align: center;">SCHEDULE D (Form 5500)</p> <p style="text-align: center; font-size: small;">Department of the Treasury Internal Revenue Service</p> <hr/> <p style="text-align: center; font-size: small;">Department of Labor Employee Benefits Security Administration</p>	<p>DFE/Participating Plan Information</p> <p>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).</p> <p>▶ File as an attachment to Form 5500.</p>	<p style="font-size: x-small;">OMB No. 1210-0110</p> <hr/> <p style="font-size: 24px; font-weight: bold;">2022</p> <hr/> <p style="font-size: small; font-weight: bold;">This Form is Open to Public Inspection.</p>
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022

<p>A Name of plan <u>INFORMS DEFINED CONTRIBUTION RETIREMENT PLAN</u></p>	<p>B Three-digit plan number (PN) ▶</p>	<p><u>002</u></p>
<p>C Plan or DFE sponsor's name as shown on line 2a of Form 5500 <u>INSTITUTE FOR OPERATIONS RESEARCH & THE MANAGEMENT SCIENCES (INFORMS)</u></p>	<p>D Employer Identification Number (EIN) <u>52-1898636</u></p>	

Part I Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs)
(Complete as many entries as needed to report all interests in DFEs)

<p>a Name of MTIA, CCT, PSA, or 103-12 IE: <u>TIAA REAL ESTATE</u></p>	<p>b Name of sponsor of entity listed in (a): <u>TIAA-CREF</u></p>	<p>c EIN-PN <u>13-1624203-004</u></p>	<p>d Entity code <u>P</u></p>	<p>e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>498978</u></p>
<p>a Name of MTIA, CCT, PSA, or 103-12 IE:</p>				
<p>b Name of sponsor of entity listed in (a):</p>				
<p>c EIN-PN</p>	<p>d Entity code</p>	<p>e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)</p>		
<p>a Name of MTIA, CCT, PSA, or 103-12 IE:</p>				
<p>b Name of sponsor of entity listed in (a):</p>				
<p>c EIN-PN</p>	<p>d Entity code</p>	<p>e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)</p>		
<p>a Name of MTIA, CCT, PSA, or 103-12 IE:</p>				
<p>b Name of sponsor of entity listed in (a):</p>				
<p>c EIN-PN</p>	<p>d Entity code</p>	<p>e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)</p>		
<p>a Name of MTIA, CCT, PSA, or 103-12 IE:</p>				
<p>b Name of sponsor of entity listed in (a):</p>				
<p>c EIN-PN</p>	<p>d Entity code</p>	<p>e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)</p>		
<p>a Name of MTIA, CCT, PSA, or 103-12 IE:</p>				
<p>b Name of sponsor of entity listed in (a):</p>				
<p>c EIN-PN</p>	<p>d Entity code</p>	<p>e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)</p>		

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

**SCHEDULE H
(Form 5500)**

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Financial Information

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code).

► **File as an attachment to Form 5500.**

OMB No. 1210-0110

2022

**This Form is Open to Public
Inspection**

For calendar plan year 2022 or fiscal plan year beginning **01/01/2022** and ending **12/31/2022**

A Name of plan INFORMS DEFINED CONTRIBUTION RETIREMENT PLAN	B Three-digit plan number (PN) ► 002
C Plan sponsor's name as shown on line 2a of Form 5500 INSTITUTE FOR OPERATIONS RESEARCH & THE MANAGEMENT SCIENCES (INFORMS)	D Employer Identification Number (EIN) 52-1898636

Part I Asset and Liability Statement

1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

Assets	(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....	1a	
b Receivables (less allowance for doubtful accounts):		
(1) Employer contributions.....	1b(1)	
(2) Participant contributions.....	1b(2)	
(3) Other.....	1b(3)	
c General investments:		
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)	
(2) U.S. Government securities.....	1c(2)	
(3) Corporate debt instruments (other than employer securities):		
(A) Preferred.....	1c(3)(A)	
(B) All other.....	1c(3)(B)	
(4) Corporate stocks (other than employer securities):		
(A) Preferred.....	1c(4)(A)	
(B) Common.....	1c(4)(B)	
(5) Partnership/joint venture interests.....	1c(5)	
(6) Real estate (other than employer real property).....	1c(6)	
(7) Loans (other than to participants).....	1c(7)	
(8) Participant loans.....	1c(8)	
(9) Value of interest in common/collective trusts.....	1c(9)	
(10) Value of interest in pooled separate accounts.....	1c(10)	492176 498978
(11) Value of interest in master trust investment accounts.....	1c(11)	
(12) Value of interest in 103-12 investment entities.....	1c(12)	
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)	7815654 6205885
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	2139759 2154613
(15) Other.....	1c(15)	

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities.....	1d(1)		
(2) Employer real property.....	1d(2)		
e Buildings and other property used in plan operation.....	1e		
f Total assets (add all amounts in lines 1a through 1e).....	1f	10447589	8859476
Liabilities			
g Benefit claims payable.....	1g		
h Operating payables.....	1h		
i Acquisition indebtedness.....	1i		
j Other liabilities.....	1j		
k Total liabilities (add all amounts in lines 1g through 1j).....	1k	0	0
Net Assets			
l Net assets (subtract line 1k from line 1f).....	1l	10447589	8859476

Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers.....	2a(1)(A)	335756	
(B) Participants.....	2a(1)(B)	248958	
(C) Others (including rollovers).....	2a(1)(C)		
(2) Noncash contributions.....	2a(2)		
(3) Total contributions. Add lines 2a(1)(A), (B), (C), and line 2a(2).....	2a(3)		584714
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit).....	2b(1)(A)		
(B) U.S. Government securities.....	2b(1)(B)		
(C) Corporate debt instruments.....	2b(1)(C)		
(D) Loans (other than to participants).....	2b(1)(D)		
(E) Participant loans.....	2b(1)(E)		
(F) Other.....	2b(1)(F)	83748	
(G) Total interest. Add lines 2b(1)(A) through (F).....	2b(1)(G)		
(2) Dividends: (A) Preferred stock.....	2b(2)(A)		
(B) Common stock.....	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds).....	2b(2)(C)		
(D) Total dividends. Add lines 2b(2)(A), (B), and (C).....	2b(2)(D)		
(3) Rents.....	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds.....	2b(4)(A)		
(B) Aggregate carrying amount (see instructions).....	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result.....	2b(4)(C)		
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate.....	2b(5)(A)		
(B) Other.....	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B).....	2b(5)(C)		

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		38345
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		-1489609
c Other income	2c		
d Total income. Add all income amounts in column (b) and enter total	2d		-782802
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	754275	
(2) To insurance carriers for the provision of benefits	2e(2)	51036	
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3).....	2e(4)		805311
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses: (1) Professional fees	2i(1)		
(2) Contract administrator fees.....	2i(2)		
(3) Investment advisory and management fees	2i(3)		
(4) Other	2i(4)		
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		0
j Total expenses. Add all expense amounts in column (b) and enter total	2j		805311
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d.....	2k		-1588113
l Transfers of assets:			
(1) To this plan	2l(1)		
(2) From this plan.....	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) Unmodified (2) Qualified (3) Disclaimer (4) Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) DOL Regulation 2520.103-8 (2) DOL Regulation 2520.103-12(d) (3) neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: BELFINT, LYONS & SHUMAN, P.A.

(2) EIN: 51-0232399

d The opinion of an independent qualified public accountant is **not attached** because:

(1) This form is filed for a CCT, PSA, or MTIA. (2) It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)

	Yes	No	Amount
4a		X	

		Yes	No	Amount
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.).....	4b		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)	4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.).....	4d		X	
e Was this plan covered by a fidelity bond?.....	4e	X		1000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?	4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?.....	4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.).....	4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.).....	4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?	4k		X	
l Has the plan failed to provide any benefit when due under the plan?	4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.	4n			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year?..... Yes No
 If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) Yes No Not determined
 If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____.

SCHEDULE R (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	<small>OMB No. 1210-0110</small> 2022 This Form is Open to Public Inspection.
--	---	---

For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022

A Name of plan <u>INFORMS DEFINED CONTRIBUTION RETIREMENT PLAN</u>	B Three-digit plan number (PN) ▶	<u>002</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>INSTITUTE FOR OPERATIONS RESEARCH & THE MANAGEMENT SCIENCES (INFORMS)</u>	D Employer Identification Number (EIN) <u>52-1898636</u>	

Part I	Distributions
---------------	----------------------

All references to distributions relate only to payments of benefits during the plan year.

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....

1	0
---	---

2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits):
EIN(s): 82-2826183

Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.

3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year.....

3	
---	--

Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)
----------------	---

4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? Yes No N/A
If the plan is a defined benefit plan, go to line 8.

5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. **Date:** Month _____ Day _____ Year _____
If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.

6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived).....	6a	
6 b Enter the amount contributed by the employer to the plan for this plan year.....	6b	
6 c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount).....	6c	

If you completed line 6c, skip lines 8 and 9.

7 Will the minimum funding amount reported on line 6c be met by the funding deadline? Yes No N/A

8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? Yes No N/A

Part III	Amendments
-----------------	-------------------

9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box..... Increase Decrease Both No

Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.
----------------	---

10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?..... Yes No

11 a Does the ESOP hold any preferred stock?..... Yes No

b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)..... Yes No

12 Does the ESOP hold any stock that is not readily tradable on an established securities market?..... Yes No

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (measured in dollars). See instructions. Complete as many entries as needed to report all applicable employers.

a Name of contributing employer _____

b EIN _____ **c** Dollar amount contributed by employer _____

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: Hourly Weekly Unit of production Other (specify): _____

a Name of contributing employer _____

b EIN _____ **c** Dollar amount contributed by employer _____

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: Hourly Weekly Unit of production Other (specify): _____

a Name of contributing employer _____

b EIN _____ **c** Dollar amount contributed by employer _____

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: Hourly Weekly Unit of production Other (specify): _____

a Name of contributing employer _____

b EIN _____ **c** Dollar amount contributed by employer _____

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: Hourly Weekly Unit of production Other (specify): _____

a Name of contributing employer _____

b EIN _____ **c** Dollar amount contributed by employer _____

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: Hourly Weekly Unit of production Other (specify): _____

a Name of contributing employer _____

b EIN _____ **c** Dollar amount contributed by employer _____

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: Hourly Weekly Unit of production Other (specify): _____

14 Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:

a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: <input type="checkbox"/> last contributing employer <input type="checkbox"/> alternative <input type="checkbox"/> reasonable approximation (see instructions for required attachment).....	14a	
b The plan year immediately preceding the current plan year. <input type="checkbox"/> Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14b	
c The second preceding plan year. <input type="checkbox"/> Check the box if the number reported is a change from what was previously reported (see instructions for required attachment).....	14c	

15 Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

a The corresponding number for the plan year immediately preceding the current plan year.....	15a	
b The corresponding number for the second preceding plan year.....	15b	

16 Information with respect to any employers who withdrew from the plan during the preceding plan year:

a Enter the number of employers who withdrew during the preceding plan year	16a	
b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....	16b	

17 If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

18 If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment

19 If the total number of participants is 1,000 or more, complete lines (a) through (c)

a Enter the percentage of plan assets held as:
 Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%

b Provide the average duration of the combined investment-grade and high-yield debt:
 0-3 years 3-6 years 6-9 years 9-12 years 12-15 years 15-18 years 18-21 years 21 years or more

c What duration measure was used to calculate line 19(b)?
 Effective duration Macaulay duration Modified duration Other (specify): _____

20 PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.

a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? Yes No

b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:

Yes.

No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.

No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.

No. Other. Provide explanation _____

**INSTITUTE FOR OPERATIONS RESEARCH
AND THE MANAGEMENT SCIENCES
(INFORMS) 403(b) PLAN**

**FINANCIAL STATEMENTS AND
INDEPENDENT AUDITORS' REPORT**

DECEMBER 31, 2022 AND 2021

**INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT
SCIENCES (INFORMS) 403(b) PLAN
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DECEMBER 31, 2022 AND 2021**

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Independent Auditors' Report

To the Plan Administrator
Institute for Operations Research and
the Management Sciences (INFORMS) 403(b) Plan

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit

We have performed audits of the accompanying financial statements of Institute for Operations Research and the Management Sciences (INFORMS) 403(b) (Plan), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), as permitted by ERISA Section 103(a)(3)(C) [ERISA Section 103(a)(3)(C) audit]. The financial statements comprise the statements of net assets available for benefits as of December 31, 2022 and 2021, and the related statement of changes in net assets available for benefits for the year then ended 2021, and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audits of INFORMS 403(b) Plan's financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor (DOL)'s Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audits need not extend to any statements or information related to assets held for investment of the plan (investment information) by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided that the statements or information regarding assets so held are prepared and certified by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the DOL's Rules and Regulations for Reporting and Disclosure under ERISA (qualified institution).

Management has obtained certifications from a qualified institution as of and for the years ended December 31, 2022 and 2021, stating that the certified investment information, as described in Note 5 to the financial statements, is complete and accurate.

Opinion

In our opinion, based on our audits and on the procedures performed as described in the *Auditors' Responsibilities for the Audit of the Financial Statements* section -

- The amounts and disclosures in the financial statements referred to above, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.

To the Plan Administrator
Institute for Operations Research and
the Management Sciences (INFORMS) 403(b) Plan

- The information in the financial statements referred to above related to assets held by and certified by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Our responsibilities under those standards are further described in the *Auditors' Responsibilities for the Audit of the Financial Statements* section of our report. We are required to be independent of INFORMS 403(b) Plan and to meet our ethical responsibilities in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

Responsibility of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about INFORMS 403(b) Plan's ability to continue as a going concern for one year after the date the financial statements are available to be issued.

Management is also responsible for maintaining a current plan instrument, including all plan amendments; administering the plan; and determining that the plan's transactions that are presented and disclosed in the financial statements are in conformity with the plan's provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

Auditors' Responsibilities for the Audit of the Financial Statements

Except as described in the *Scope and Nature of the ERISA Section 103(a)(3)(C) Audit* section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with generally accepted auditing standards will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for

To the Plan Administrator
Institute for Operations Research and
the Management Sciences (INFORMS) 403(b) Plan

one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgement made by a reasonable user based on the financial statements.

In performing an audit in accordance with generally accepted auditing standards, we:

- Exercise professional judgement and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of INFORMS 403(b) Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgement, there are conditions or events, considered in the aggregate, that raise substantial doubt about INFORMS 403(b) Plan's ability to continue as a going concern for a reasonable period of time.

Our audits did not extend to the certified investment information, except for obtaining and reading the certification, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of accounting principles generally accepted in the United States of America.

Accordingly, the objective of an ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements as a whole are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

To the Plan Administrator
Institute for Operations Research and
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Supplemental Schedules Required by ERISA

The supplemental schedule of assets (held at end of year), as of December 31, 2022, is presented for purposes of additional analysis and is not a required part of the financial statements but is supplementary information required by the DOL's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedule, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with generally accepted auditing standards. For information included in the supplemental schedule that agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedule, we evaluated whether the supplemental schedule, other than the information agreed to or derived from the certified investment information, including its form and content, is presented in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion -

- The form and content of the supplemental schedule, other than the information in the supplemental schedule that agreed to or is derived from the certified investment information, is presented, in all material respects, in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.
- The information in the supplemental schedule related to assets held by and certified by a qualified institution agrees to or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Belfint, Lyons & Shuman, P.A.

August 15, 2023

Wilmington, Delaware

**INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT SCIENCES
(INFORMS) 403(b) PLAN
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
DECEMBER 31, 2022 AND 2021**

	2022	2021
ASSETS		
Investments, at Fair Value (See Note 3)	\$ 8,859,476	\$ 10,447,589
TOTAL ASSETS	8,859,476	10,447,589
LIABILITIES	-	-
NET ASSETS AVAILABLE FOR BENEFITS	\$ 8,859,476	\$ 10,447,589

The accompanying notes are an integral part of these financial statements.

**INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT SCIENCES
(INFORMS) 403(b) PLAN
STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
YEAR ENDED DECEMBER 31, 2022**

ADDITIONS

Investment Income (Loss)	
Net Depreciation in Fair Value of Investments	\$ (1,386,317)
Interest	<u>18,801</u>
Net Investment Loss	<u>(1,367,516)</u>
Contributions	
Participant	248,958
Employer (See Note 1)	<u>335,756</u>
Total Contributions	<u>584,714</u>
TOTAL ADDITIONS	<u>(782,802)</u>

DEDUCTIONS

Benefits Paid to Participants	754,275
Annuity Settlement Options	<u>51,036</u>
TOTAL DEDUCTIONS	<u>805,311</u>

NET CHANGE	(1,588,113)
NET ASSETS AVAILABLE FOR BENEFITS - Beginning of Year	<u>10,447,589</u>
NET ASSETS AVAILABLE FOR BENEFITS - End of Year	<u><u>\$ 8,859,476</u></u>

The accompanying notes are an integral part of these financial statements.

**INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT
SCIENCES (INFORMS) 403(b) PLAN
NOTES TO FINANCIAL STATEMENTS
DECEMBER 31, 2022**

NOTE 1: DESCRIPTION OF PLAN

The following description of the Institute for Operations Research and The Management Sciences (INFORMS) 403(b) Plan (Plan) provides only general information. Participants should refer to the plan document for a more complete description of the Plan's provisions.

General - The Plan is a 403(b) defined contribution plan, originally effective January 1, 1995, and most recently restated January 1, 2019, covering all eligible employees of the Institute for Operations Research and The Management Sciences (INFORMS) (Organization), a 501(c)(3) organization, for the purpose of saving for retirement. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

Administration - The Organization retains the Teachers Insurance and Annuity Association (TIAA) which serves as the Plan's custodian and recordkeeper.

Eligibility - All full-time employees, except members of a collective bargaining unit and student employees, of the Organization may be able to participate in the elective deferral portion of the Plan as soon as administratively feasible on or after the employee's first day of employment. Those previously identified employees who have completed one year of service and are age 21 or older are eligible to participate in the matching and non-elective contributions. Entry dates are immediate.

Contributions - Each year, participants may contribute up to 100% of pre-tax annual eligible compensation, as defined by the Plan. Participants who have attained age 50 before the end of the plan year are eligible to make catch-up contributions. Participants may also contribute amounts representing distributions from other qualified defined-benefit or defined-contribution plans (rollover). Participants direct the investment of their contributions into various investment options offered by the Plan, including a well-diversified selection of registered investment companies. The Organization may contribute matching and non-elective contributions. The Organization will make a matching contribution of 50% of an elective deferral that does not exceed 4% for employees whose years of service is greater than or equal to 1-5 years. For employees whose years of service is greater than five, the Organization will match 100% of elective deferrals up to 4% of compensation. Each year at its discretion, the Organization may make a fixed non-elective contribution. The non-elective contribution is based on years of service. For those employees with greater than or equal to 1-5 years, the Organization will match 100% up to 3% of eligible compensation. For employees with greater than five years of service, the Organization will match 100% up to 6% of eligible compensation. Contributions are subject to certain Internal Revenue Code (IRC) limitations.

**INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT
SCIENCES (INFORMS) 403(b) PLAN
NOTES TO FINANCIAL STATEMENTS - CONTINUED
DECEMBER 31, 2022**

NOTE 1: DESCRIPTION OF PLAN - CONTINUED

Participant Accounts - Each participant's account is credited with the participant's contribution and allocations of the Organization's contribution and plan earnings, as well as charged with an allocation of administrative expenses that are paid by the Plan. Certain administrative expenses are paid from the investment alternatives held by the participants. Allocations are based on participant earnings, account balances, or specific participant transactions, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Vesting - Participants are immediately vested in their contributions plus actual earnings thereon. Vesting in the Organization's matching and non-elective contribution portion of their accounts plus actual earnings thereon is based on years of service. A participant is 100% vested after one year of service.

Payment of Benefits - Upon termination of service due to death, disability, retirement (age 65), or severance of employment, a participant may elect to receive a lump-sum distribution equal to the value of the participant's vested interest in the Plan. In certain instances, a terminated participant may elect to delay withdrawal until a future date. A participant age 59½ or older may make in-service withdrawals. If a terminated participant does not elect to have a distribution, not exceeding \$1,000, paid directly to an eligible retirement plan specified by the participant in a direct rollover or to receive the distribution directly, the plan administrator will direct the custodian to immediately distribute such benefit in a lump sum without the participant's consent. For any distribution exceeding \$1,000 but not in excess of \$5,000, the participant shall be given the option to elect to have such distribution paid directly to an eligible retirement plan specified by him or her in a direct rollover or to receive the distribution directly. If neither option is selected, the plan administrator shall make such distribution in a direct rollover to an individual retirement plan designated by the Organization and shall provide written notice to the participant informing the participant that he or she has the option to transfer such amount into another individual retirement plan of his or her own choice.

As required under Section 401(a)(9) of the IRC, a participant who is not a five percent or more owner of the Organization must begin receiving required minimum distributions from the Plan by April 1 of the calendar year following the later of (i) the calendar year following the year in which the participant reaches 72, or (ii) the calendar year in which the participant retires. Each year the minimum is recomputed based on the participant's and spouses, if married, current life expectancies and the value of the then-remaining account. The participant may elect a larger payment.

Forfeitures - As of December 31, 2022 and 2021, the forfeiture account balance totaled \$0.

**INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT
SCIENCES (INFORMS) 403(b) PLAN
NOTES TO FINANCIAL STATEMENTS - CONTINUED
DECEMBER 31, 2022**

NOTE 2: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting - The financial statements of the Plan are prepared on the accrual basis of accounting, in accordance with accounting principles generally accepted in the United States of America.

Use of Estimates - The preparation of financial statements in accordance with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and changes therein, and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

Investment Valuation and Income Recognition - Investments are reported at fair value. Fair value is the price that would be received for the sale of an asset or paid for the transfer of a liability in an orderly transaction between market participants at the measurement date. See Note 3 for discussion of fair value measurements.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is accrued when earned. Dividend income is recorded on the ex-dividend date. Net appreciation (depreciation) includes the Plan's gains and losses on investments bought and sold as well as held during the year.

Payments of Benefits - Benefits are recorded when paid.

Administrative Expenses - Certain expenses of maintaining the Plan are paid by the Plan, unless otherwise paid by the Organization. Expenses paid by the Organization are excluded from these financial statements. Costs associated with participant-initiated transactions are paid by the respective participants' accounts. Some administrative expenses are paid from the annual operating expenses of the Plan's designated investment alternatives, which reduce the investment earnings for the relevant participant-directed investments.

Subsequent Events - The Plan's policy is to evaluate events and transactions subsequent to its year end for potential recognition in the financial statements or disclosure in the notes to the financial statements. The Organization has evaluated events and transactions through the date of the independent auditors' report, which is the date the financial statements were available to be issued.

**INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT
SCIENCES (INFORMS) 403(b) PLAN
NOTES TO FINANCIAL STATEMENTS - CONTINUED
DECEMBER 31, 2022**

NOTE 3: FAIR VALUE MEASUREMENTS

The framework for measuring fair value provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. This hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3). The three levels of fair value hierarchy under Financial Accounting Standards Board Accounting Standards Codification (FASB ASC) 820 are described as follows:

Level 1 - Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Level 2 - Inputs to the valuation methodology include:

- Quoted prices for similar assets or liabilities in active markets;
- Quoted prices for identical or similar assets or liabilities in inactive markets;
- Inputs other than quoted prices that are observable for the asset or liability;
- Inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3 - Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The asset's or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs.

The following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used as of December 31, 2022 and 2021.

Registered Investment Companies (Mutual Funds) - Valued at the daily closing price as reported by the fund. Mutual funds held by the Plan are open-end mutual funds that are registered with the U.S. Securities and Exchange Commission. These funds are required to publish their daily net asset value (NAV) and to transact at that price. The mutual funds held by the Plan are deemed to be actively traded.

**INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT
SCIENCES (INFORMS) 403(b) PLAN
NOTES TO FINANCIAL STATEMENTS - CONTINUED
DECEMBER 31, 2022**

NOTE 3: FAIR VALUE MEASUREMENTS - CONTINUED

Pooled Separate Account - The TIAA Real Estate Account's value is principally derived from the market value of the underlying real estate holdings or other real estate investments. Real estate holdings are valued principally utilizing external appraisals, which are estimates of property values based on a professional's opinion. This investment is classified as Level 2 within the fair value hierarchy.

Insurance Company General Contract - Different contracts within the TIAA Traditional Annuity provide certain unique features and characteristics within the contract. The Organization has Traditional Non-Benefit-Responsive contracts. This contract is reported at fair value, which approximates contract value. Contract value equals the accumulated cash contributions, interest credited to the Plan's contracts, and transfers, if any, less any withdrawals.

The preceding methods may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, although the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

The following table sets forth by level, within the fair value hierarchy, the Plan's investments at fair value as of December 31:

	2022			
	Level 1	Level 2	Level 3	Total
Registered Investment Companies	\$ 6,205,885	\$ -	\$ -	\$ 6,205,885
Pooled Separate Accounts	-	498,978	-	498,978
Insurance Company General Contract Non-Benefit Responsive	-	-	2,154,613	2,154,613
Total Investments, at Fair Value	<u>\$ 6,205,885</u>	<u>\$ 498,978</u>	<u>\$ 2,154,613</u>	<u>\$ 8,859,476</u>
	2021			
	Level 1	Level 2	Level 3	Total
Registered Investment Companies	\$ 7,815,654	\$ -	\$ -	\$ 7,815,654
Pooled Separate Accounts	-	492,176	-	492,176
Insurance Company General Contract Non-Benefit Responsive	-	-	2,139,759	2,139,759
Total Investments, at Fair Value	<u>\$ 7,815,654</u>	<u>\$ 492,176</u>	<u>\$ 2,139,759</u>	<u>\$ 10,447,589</u>

**INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT
SCIENCES (INFORMS) 403(b) PLAN
NOTES TO FINANCIAL STATEMENTS - CONTINUED
DECEMBER 31, 2022**

NOTE 3: FAIR VALUE MEASUREMENTS - CONTINUED

The following table sets forth a summary of changes in the fair value of the Plan's Level 3 assets for the year ended December 31, 2022:

	<u>2022</u>
Balance - Beginning of Year	\$ 2,139,759
Realized Gains	86,604
Unrealized Gains Relating to Instruments Still Held at the Reporting Date	(21,656)
Interest Income	18,801
Purchases, Issuances, Sales, Settlements	
Contributions, Rollovers, and Transfers In	63,681
Withdrawals, Distributions, Settlements, and Transfers Out	<u>132,576</u>
Total Purchases, Issuances, Sales, and Settlements, Net	<u>(68,895)</u>
Balance - End of Year	<u><u>\$ 2,154,613</u></u>

The following table represents the Plan's Level 3 financial instruments, the valuation techniques used to measure fair value of those financial instruments, and the significant unobservable inputs and the ranges of values for those inputs as of December 31, 2022 and 2021:

	<u>2022</u>	<u>2021</u>	Principal Valuation Technique	Significant Unobservable Input	<u>Range</u>
	Fair Value	Fair Value			
TIAA Traditional Annuity			Discounted Cash Flow Theoretical Transfer (Exit Value)	Risk-Adjusted Discount Rate Applied	3.00% - 4.45%
Non-Benefit-Responsive Retirement Account	<u>\$ 2,154,613</u>	<u>\$ 2,139,759</u>			

NOTE 4: INVESTMENTS

Guaranteed Annuity Contract - The TIAA Traditional Annuity (Annuity) is a fixed rate annuity contract that is fully and unconditionally guaranteed and backed by the claims-paying ability of TIAA, a New York domiciled nonprofit legal reserve life insurance company. During the accumulation phase, the Annuity provides a guarantee of principal, a guaranteed minimum rate of interest between 1% and 3%, and the potential for additional interest, if declared by TIAA. Additional interest, when declared, remains in effect for the "declaration year," which begins each March 1. Additional interest is not guaranteed for future years.

**INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT
SCIENCES (INFORMS) 403(b) PLAN
NOTES TO FINANCIAL STATEMENTS - CONTINUED
DECEMBER 31, 2022**

NOTE 4: INVESTMENTS - CONTINUED

Guaranteed Annuity Contract - Continued

When the contract value accumulation (plan asset) of the Annuity is converted to an annuity (plan withdrawal) based on life expectancy, the present value of the stream of payments is equal to the accumulation.

The Annuity is offered through a variety of contract types with TIAA. The type of contract through which the Plan holds the Annuity determines the applicability of certain account features, such as a guaranteed minimum interest rate, additional interest declarations, the degree of liquidity of participant accounts, and the options for receiving income upon retirement. The Plan holds non-benefit-responsive contracts. These contracts are reported at fair value on the financial statements, which approximates contract value.

These guaranteed annuity contracts are traditional investment contracts. Due to the nature of these contracts, they do not have specific underlying assets assigned. The key difference between a synthetic investment contract and a traditional investment contract is that the Plan owns the underlying assets of the synthetic investment contract. A synthetic investment contract includes a wrapper contract, which is an agreement for the wrap issuer, such as a bank or insurance company, to make payments to the Plan in certain circumstances. The wrapper contract typically includes certain conditions and limitations on the underlying assets owned by the Plan. With traditional investment contracts, the Plan owns only the contract itself. Synthetic and traditional investment contracts are designed to accrue interest based on crediting rates established by the contract issuers.

Market value events may limit the ability of the Annuity to transact at contract value with the issuer. Market value events are events or conditions that occur which are outside of the normal operation of the Annuity and lead to any disbursements which have or will have a material adverse effect on the operations of the Annuity and a financial effect on the investment contract or wrap issuer's interest hereunder.

Such events may include, but are not limited to: fund administration amended or changed, merger or consolidation of investors, group terminations or layoffs, implementation of an early retirement program, termination or partial termination of the Annuity, failure to meet certain tax qualifications, participant communication that is designed to influence participants not to invest in the Annuity, transfers to competing options without meeting the equity provisions of the Annuity, and plan sponsor withdrawals without the appropriate notice to the Annuity and/or issuer.

In the normal course of business, such events or conditions would not limit the ability of the Annuity to transact at contract value with the participants in the Annuity. The Annuity is managed to maintain a certain amount of liquidity to provide for the day-to-day liquidity needs of participants, as well as the occasional market value event.

**INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT
SCIENCES (INFORMS) 403(b) PLAN
NOTES TO FINANCIAL STATEMENTS - CONTINUED
DECEMBER 31, 2022**

NOTE 4: INVESTMENTS - CONTINUED

Guaranteed Annuity Contract - Continued

The Organization does not believe that any events that would limit the Annuity's ability to transact at contract value with participants are probable of occurring.

TIAA Real Estate Pooled Separate Account - The TIAA Real Estate Account (REA) is an insurance company separate account of TIAA investing mainly in real estate and real estate-related investments. Accumulation units in the REA are available for transactions at the closing accumulation unit value on any day the New York Stock Exchange (NYSE) is open for business. Transfers out of the REA are limited to one per calendar quarter.

Although the underlying assets of the REA cannot be quickly sold and converted to liquid assets, the TIAA General Account provides the REA with a liquidity guarantee, i.e., TIAA ensures that the REA has funds available to meet participant redemptions, transfer, or cash withdrawal requests executed at quoted unit values. Unit values are calculated each day and are posted on the Plan's website.

NOTE 5: INFORMATION CERTIFIED BY CUSTODIAN

The Organization elected the method of annual reporting compliance permitted by the Department of Labor (DOL) Regulation Section 29 CFR 2520.103-8 of the DOL's Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, TIAA and CREF, the custodians, have certified the following data included in the accompanying financial statements and supplemental schedule as complete and accurate:

	<u>2022</u>	<u>2021</u>
Investments, at Fair Value		
Registered Investment Companies	\$ 6,205,885	\$ 7,815,654
Pooled Separate Account	498,978	492,176
TIAA Traditional Annuity Non-Benefit Responsive	<u>2,154,613</u>	<u>2,139,759</u>
Total Investments, at Fair Value	<u>\$ 8,859,476</u>	<u>\$ 10,447,589</u>
Additions to Plan Assets Attributed to Investment Income (Loss)		
Net Depreciation in Registered Investment Companies	\$ (1,424,662)	
Net Appreciation in Pooled Separate Accounts	38,345	
Interest	<u>18,801</u>	
Net Investment Loss	<u>\$ (1,367,516)</u>	

**INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT
SCIENCES (INFORMS) 403(b) PLAN
NOTES TO FINANCIAL STATEMENTS - CONTINUED
DECEMBER 31, 2022**

NOTE 6: RELATED-PARTY TRANSACTIONS AND PARTY-IN-INTEREST TRANSACTIONS

The Plan has not considered normal plan operations such as participant and Organization contributions to the Plan or benefits accrued or paid by the Plan for participants as party-in-interest transactions that require separate disclosure. Certain plan investments are shares of registered investment companies (mutual funds), pooled separate accounts, and a guaranteed annuity contract managed by TIAA, the custodian and recordkeeper of the Plan; therefore, these transactions qualify as party-in-interest transactions. Fees for professional services rendered by parties in interest are partially absorbed by the plan sponsor. Participant-borne transaction fees are paid out of the relevant participants' accounts. These transactions qualify as party-in-interest transactions that are exempt from the prohibited transaction rules.

NOTE 7: PLAN TERMINATION

Although it has not expressed any intent to do so, the Organization has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of plan termination, participants will become fully vested in their account balances. Any unallocated forfeitures would be allocated to participants' accounts and distributed in such a manner as the Organization may determine.

NOTE 8: TAX STATUS

The Plan has been designed to qualify under Section 403(b) of the Internal Revenue Code (IRC). The Plan is required to operate in conformity with the IRC to maintain the Plan's tax-exempt status for plan participants. The Organization believes that the Plan is designed, and is being operated, in compliance with the applicable requirements of the IRC.

Accounting principles generally accepted in the United States of America require plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would be sustained upon examination by the IRS or DOL. The Organization has analyzed the tax positions taken by the Plan and has concluded that as of December 31, 2022 and 2021, there were no uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan's federal Form 5500 is subject to examination by the IRS and DOL, generally for three years after it is filed.

**INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT
SCIENCES (INFORMS) 403(b) PLAN
NOTES TO FINANCIAL STATEMENTS - CONTINUED
DECEMBER 31, 2022**

NOTE 9: RISKS AND UNCERTAINTIES

The Plan invests in various investment products. Investments are exposed to various risks such as interest rate, market, and credit risks. Due to the level of risk associated with certain investments, it is at least reasonably possible that changes in the value of investments will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the statements of net assets available for benefits.

NOTE 10: COMMITMENTS AND CONTINGENCIES

In the normal course of business, there are various commitments and contingencies outstanding which are not reflected in these financial statements. In the opinion of the Organization, the outcome of such events, if any, would not have a material effect on the Plan's financial position or operations.

ADDITIONAL INFORMATION

**INSTITUTE FOR OPERATIONS RESEARCH AND THE MANAGEMENT
SCIENCES (INFORMS) 403(b) PLAN**

EIN: 52-1898636, PLAN #001

ATTACHMENT TO FORM 5500, SCHEDULE H, LINE 4(i)

SCHEDULE OF ASSETS (HELD AT END OF YEAR)

DECEMBER 31, 2022

(a)	(b) Identity of Issuer, Borrower, or Other Party Involved	(c) Description of Investment (Rate of Interest)	(d) Cost	(e) Current Value
*	TIAA	Traditional Non-Benefit Responsive	\$ -	\$ 2,154,613
*	CREF	Stock	-	854,605
*	"	Core Bond	-	316,645
*	"	Money Market	-	33,370
*	"	Social Choice	-	523,052
*	"	Global Equities	-	771,204
*	"	Growth	-	489,740
*	"	Equity Index	-	231,898
*	"	Inflation-Linked Bond	-	167,549
*	TIAA	Real Estate	-	498,978
*	"	Access Core Bond Plus	-	1,187
*	"	Access Growth & Income	-	88,039
*	"	Access International Equity	-	315,597
*	"	Access Large-Cap Growth	-	278,884
*	"	Access Large-Cap Value	-	199,367
*	"	Access Lifecycle 2025	-	33,234
*	"	Access Lifecycle 2030	-	228,160
*	"	Access Lifecycle 2035	-	269,870
*	"	Access Lifecycle 2040	-	294,018
*	"	Access Lifecycle 2045	-	68,742
*	"	Access Lifecycle 2050	-	313,151
*	"	Access Lifecycle 2055	-	26,856
*	"	Access Lifecycle 2060	-	2,541
*	"	Access Mid-Cap Growth	-	120,848
*	"	Access Mid-Cap Value	-	158,384
*	"	Access Real Estate Securities	-	136,339
*	"	Access Small-Cap	-	150,964
*	"	Access Quant Small-Cap	-	88,275
*	"	Access Social Choice	-	43,366
Total Investments			<u>\$ -</u>	<u>\$ 8,859,476</u>

*Indicates a party in interest to the Plan.

(d) Cost information is not required for participant-directed investments.

Plan Name	INFORMS DEFINED CONTRIBUTION RETIREMENT PLAN
Plan Sponsor EIN	52-1898636
ERISA Plan #	002
Plan Year Ending	December 31, 2022

The required attachment marked with an "X" in the Attachment column is included within the Accountant's Opinion attachment to Sch. H, Part III, Line 3, which consists of the entire audit report issued by the plan's Independent Qualified Public Accountant (IQPA).

Form/Schedule	Line #	Description	Attachment
5500 Sch. H	Line 3	Financial statements used in formulating the IQPA's opinion	X
5500 Sch. H	Line 4i	Schedule of Assets (Held at End of Year)	X
5500 Sch. H	Line 4i	Schedule of Assets (Acquired and Disposed of Within Year)	
5500 Sch. H	Line 4j	Schedule of Reportable Transactions	
5500 Sch. H	Line 4a	Schedule of Delinquent Participant Contributions	

Plan Name	INFORMS DEFINED CONTRIBUTION RETIREMENT PLAN
Plan Sponsor EIN	52-1898636
ERISA Plan #	002
Plan Year Ending	December 31, 2022

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Form/Schedule	Line #	Description	Attachment
5500 Sch. H	Line 3	Financial statements used in formulating the IQPA's opinion	X
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5500 Sch. H	Line 4a	Schedule of Delinquent Participant Contributions	